Juvenile Herring Surveys in Johnstone and Georgia Straits - 1996 to 2003

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by

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TABLE OF CONTENTS

INTRODUCTION 1

METHODS 2

CATCH 3

Johnstone Strait 3

Georgia Strait 3
June 3
September-October 4

BIOLOGICAL CHARACTERISTICS OF HERRING 7

June 7
0+ herring 7
1+ herring 8

September - October 8
0+ herring 8
1+ herring 10

BIOLOGICAL CHARACTERISTICS OF SALMON 11

June 11

September - October 12

PLANKTON 13

June 13

September - October 14

STOMACH CONTENTS 16

June 16

September - October 18

ACKNOWLEDGEMENTS 19

REFERENCES 20

FIGURES **21**
Figure 1. Sampling stations (dots) in Johnstone Strait. Numbers refer to transects. 22
Figure 2. Sampling stations (dots) in the Strait of Georgia. Numbers refer to transects. 23

TABLES **24**
Table 1. Upper Johnstone Strait station co-ordinates. 25
Table 2. Lower Johnstone Strait station co-ordinates. 26
Table 3. Mainland coast of the upper Georgia Strait station co-ordinates. 27
Table 4. Vancouver Island coast of the upper Georgia Strait station co-ordinates. 29
Table 5. Lower Strait of Georgia station co-ordinates. 31
Table 6. Categories (usually species) of organisms in seine sets. 32
Table 7. Catch (n) in Johnstone Strait in September 1998. 34
Table 8. Catch (n) in Johnstone Strait in September 1999 37
Table 9. Catch (n) in the Strait of Georgia in June 1996 40
Table 10. Catch (n) on the mainland coast of the upper Strait of Georgia in June 1997 43
Table 11. Catch (n) on the Vancouver Is. shore of the Strait of Georgia in June 1997 47
Table 12. Catch (n) in the Strait of Georgia in June 2000 51
Table 13. Catch (n) in the Strait of Georgia in June 2001 54
Table 14. Catch (n) in the Strait of Georgia in September 1996. 58
Table 15. Catch (n) on the mainland coast of the upper Strait of Georgia in Sept. 1997. 61
Table 16. Catch (n) on the Vancouver Is. shore of the Strait of Georgia in Sept. 1997. 64
Table 17. Catch (n) on the mainland coast of the upper Strait of Georgia in 1998. 67
Table 18. Catch (n) on the Vancouver Is. shore of the Strait of Georgia in Sept. 1998. 70
Table 19. Catch (n) in the Strait of Georgia in 1999. 73
Table 20. Catch (n) on the mainland coast of the upper Strait of Georgia in Sept. 2000. 77
Table 21. Catch (n) on the Vancouver Is. shore of the Strait of Georgia in Sept. 2000. 80
Table 22. Catch (n) in the lower Strait of Georgia in September 2000. 83

Table 23. Catch (n) on the mainland coast of the upper Strait of Georgia in Sept. 2001.....86

Table 24. Catch (n) on the Vancouver Is. shore of the upper Georgia Strait in Sept. 2001. 89

Table 25. Catch (n) in the lower Strait of Georgia in September 2001.....92

Table 26. Catch (n) in the Strait of Georgia for the 1st trial in September 2002. 95

Table 27. Catch (n) in the Strait of Georgia for the 2nd trial in September 2002.....98

Table 28. Catch (n) in the Strait of Georgia in September, 2003.....101

Table 29. Length (mm) distribution of 0+ herring in June 1996, by region[1]. 104

Table 30. Length (mm) distribution of 0+ herring in June 1997, by region[1]. 105

Table 31. Length (mm) distribution of 0+ herring in June 2000, by region[1]. 106

Table 32. Length (mm) distribution of 0+ herring in June 2001, by region[1]. 107

Table 33. Length (mm) distribution of 1+ herring in June 1996, by region[1]. 108

Table 34. Length (mm) distribution of 1+ herring in June 1997, by region[1]. 109

Table 35. Length (mm) distribution of 1+ herring in June 2000, by region[1]. 110

Table 36. Length (mm) distribution of 1+ herring in June 2001, by region[1]. 111

Table 37. Length (mm) distribution of 0+ herring in September 1996, by region[1].....112

Table 38. Length (mm) distribution of 0+ herring in September 1997, by region[1].....113

Table 39. Length (mm) distribution of 0+ herring in September 1998, by region[1].....114

Table 40. Length (mm) distribution of 0+ herring in September 1999, by region[1].....115

Table 41. Length (mm) distribution of 0+ herring in September 2000, by region[1].....116

Table 42. Length (mm) distribution of 0+ herring in September 2001, by region[1].....117

Table 43. Length (mm) distribution of 0+ herring in September 2002, by region[1].....118

Table 44. Length (mm) distribution of 0+ herring in September 2003, by region[1].....119

Table 45. Length (mm) distribution of 1+ herring in September 1996, by region[1].....120

Table 46. Length (mm) distribution of 1+ herring in September 1997, by region[1].....121

Table 47. Length (mm) distribution of 1+ herring in September 1998, by region[1].....122

Table 48. Length (mm) distribution of 1+ herring in September 1999, by region[1].....123

Table 49. Length (mm) distribution of 1+ herring in September 2000, by region[1] 124

Table 50. Length (mm) distribution of 1+ herring in September 2001, by region[1] 125

Table 51. Length (mm) distribution of 1+ herring in September 2002, by region[1] 126

Table 52. Length (mm) distribution of 1+ herring in September 2003, by region[1] 127

Table 53. Length (mm) distribution of juvenile salmon in June 1996. 128

Table 54. Length (mm) distribution of juvenile salmon in June 1997. 129

Table 55. Length (mm) distribution of juvenile salmon in June 2000. 130

Table 56. Length (mm) distribution of juvenile salmon in June 2001. 131

Table 57. Length (mm) distribution of juvenile salmon in September 1996. 132

Table 58. Length (mm) distribution of juvenile salmon in September 1997. 133

Table 59. Length (mm) distribution of juvenile salmon in September 1998. 134

Table 60. Length (mm) distribution of juvenile salmon in September 1999. 135

Table 61. Length (mm) distribution of juvenile salmon in September 2000. 136

Table 62. Length (mm) distribution of juvenile salmon in September 2001. 137

Table 63. Length (mm) distribution of juvenile salmon in September 2002. 138

Table 64. Length (mm) distribution of juvenile salmon in September 2003. 139

Table 65. Categories of organism, by phylum, identified in plankton and stomach samples. 140

Table 66. Copepods, by order, identified in plankton and stomach samples. 141

Table 67. Organisms•m^{-3} in June 1996 plankton samples. 142

Table 68. Copepods•m^{-3} in June 1996 plankton samples. 144

Table 69. Organisms•m^{-3} in June 1997 plankton samples. 146

Table 70. Copepods•m^{-3} in June 1997 plankton samples. 149

Table 71. Organisms•m^{-3} in June 2000 plankton samples. 151

Table 72. Copepods•m^{-3} in June 2000 plankton samples. 154

Table 73. Organisms•m^{-3} in June 2001 plankton samples. 156

Table 74. Copepods•m^{-3} in June 2001 plankton samples. 159

Table 75. Organisms•m^{-3} in September 1996 plankton samples. 161

Table 76. Copepods•m^{-3} in September 1996 plankton samples....164

Table 77. Organisms•m^{-3} in September 1997 plankton samples. 166

Table 78. Copepods•m^{-3} in September 1997 plankton samples....169

Table 79. Organisms•m^{-3} in September 1998 plankton samples. 171

Table 80. Copepods•m^{-3} in September 1998 plankton samples....174

Table 81. Organisms•m^{-3} in September 1999 plankton samples. 176

Table 82. Copepods•m^{-3} in September 1999 plankton samples....179

Table 83. Organisms•m^{-3} in September 2000 plankton samples. 181

Table 84. Copepods•m^{-3} in September 2000 plankton samples....184

Table 85. Organisms•m^{-3} in September 2001 plankton samples. 186

Table 86. Copepods•m^{-3} in September 2001 plankton samples....189

Table 87. Organisms•m^{-3} in September 2002 plankton samples. 191

Table 88. Copepods•m^{-3} in September 2002 plankton samples....194

Table 89. Fullness and state of digestion of contents of year 1996 herring stomachs....197

Table 90. Organisms in 0+ herring stomachs in June 1996. 198

Table 91. Copepods in 0+ herring stomachs in June 1996....199

Table 92. Organisms in 1+ herring stomachs in June 1996. 200

Table 93. Copepods in 1+ herring stomachs in June 1996....202

Table 94. Organisms in 2+ herring stomachs in June 1996. 203

Table 95. Copepods in 2+ herring stomachs in June 1996....204

Table 96. Fullness and state of digestion of contents of year 2000 herring stomachs....205

Table 97. Organisms in 0+ herring stomachs in June 2000. 206

Table 98. Copepods in 0+ herring stomachs in June 2000....208

Table 99. Organisms in 1+ herring stomachs in June 2000. 210

Table 100. Copepods in 1+ herring stomachs in June 2000....211

Table 101. Fullness and state of digestion of contents of year 2001 herring stomachs....212

Table 102. Organisms in 0+ herring stomachs in June 2001. 213

Table 103. Copepods in 0+ herring stomachs in June 2001....215

Table 104. Organisms in 1+ herring stomachs in June 2001. 216

Table 105. Copepods in 1+ herring stomachs in June 2001....217

Table 106. Organisms in 0+ herring stomachs in September 1996....218

Table 107. Copepods in 0+ herring stomachs in September 1996....219

Table 108. Organisms in 1+ herring stomachs in September 1996....220

Table 109. Copepods in 1+ herring stomachs in September 1996....221

Table 110. Organisms in 0+ herring stomachs in September 2000....222

Table 111. Copepods in 0+ herring stomachs in September 2000....224

Table 112. Organisms in 1+ herring stomachs in September 2000....225

Table 113. Copepods in 1+ herring stomachs in September 2000....226

Table 114. Organisms in 2+ herring stomachs in September 2000....227

Table 115. Organisms in 0+ herring stomachs on the mainland shore in September 2001....228

Table 116. Copepods in 0+ herring stomachs on the mainland shore in September 2001....230

Table 117. Organisms in 0+ herring stomachs on the Vancouver Is. shore in September 2001..231

Table 118. Copepods in 0+ herring stomachs on the Vancouver Is. shore in September 2001. ..233

Table 119. Organisms in 1+ herring stomachs in September 2001....234

Table 120. Copepods in 1+ herring stomachs in September 2001....236

Table 121. Fullness and state of digestion of contents of year 2002 herring stomachs....237

Table 122. Organisms in 0+ herring stomachs in September 2002....238

Table 123. Copepods in 0+ herring stomachs in September 2002....240

Table 124. Organisms in 1+ herring stomachs in September 2002....242

Table 125. Copepods in 1+ herring stomachs in September 2002. 243

ABSTRACT

Haegele, C.W., Hay, D.E., Schweigert, J.F., Armstrong, R.W., Hrabok, C., Thompson, M., and Daniel, K. 2005. Juvenile herring surveys in Johnstone and Georgia Straits – 1996 to 2003. Can. Data Rep. Fish. Aquat. Sci. 1171: xi +243 p.

This report presents data collected on juvenile herring surveys in the Strait of Georgia and in Johnstone Strait, British Columbia from 1996 to 2003. The results from 1996 to 2002 were previously informally reported to the Herring Conservation and Research Society, which largely funded the surveys. The 2003 data has not been previously reported.

Surveys were conducted in June and September-October. Surveys were conducted in the Strait of Georgia June 18-29 and September 16-26, 1996; June 17-July 1 and September 13-25, 1997; September 16-October 3, 1998; September 20-October 4, 1999; June 12-29 and September 18–October 14, 2000; June 11-28 and September 9–October 4, 2001; September 17-October 15, 2002; and September 16-26, 2003. Surveys were conducted in Johnstone Strait September 4-29, 1998 and September 3-10, 1999.

There were 794 seine sets for which catches are reported by region, season and year in 22 tables. Fish in nine orders and invertebrates in three orders were encountered. Length information for 86,759 0+ herring and 25,755 1+ herring is summarized by season, year and region in 23 tables. Length information for 18,067 juvenile salmon is summarized for the five species by season and year in 12 tables.

The data from 308 plankton samples are presented by season and year in 22 tables. There were 28 categories of organisms in 10 phyla identified. Copepods, one of the categories, were identified to species, where possible. There were 23 calanoid and 3 cyclopoid species of copepods.

The stomach contents of 858 herring were examined in four of the eight years. The content data are presented by herring age, season and year in 33 tables. As well, stomachs were rated for fullness and the state of digestion of the contents. This data is reported in 4 tables.

RÉSUMÉ

Haegele, C.W., Hay, D.E., Schweigert, J.F., Armstrong, R.W., Hrabok, C., Thompson, M., and Daniel, K. 2005. Juvenile herring surveys in Johnstone and Georgia Straits – 1996 to 2003. Can. Data Rep. Fish. Aquat. Sci. 1171: xi + 243 p.

Ce rapport présente des données recueillies dans le cadre de relevés des harengs juvéniles menés dans le détroit de Georgia et le détroit de Johnstone, en Colombie-Britannique, entre 1996 et 2003. Les résultats de 1996 à 2002 ont déjà été présentés de manière informelle à la Herring Conservation and Research Society, qui a largement financé lesdits relevés. Les données de 2003 n'ont jamais été présentées dans un rapport.

Les relevés dans le détroit de Georgia ont été réalisés aux périodes suivantes : en 1996, du 18 au 29 juin et du 16 au 26 septembre; en 1997, du 17 juin au 1er juillet et du 13 au 25 septembre; en 1998, du 16 septembre au 3 octobre; en 1999, du 20 septembre au 4 octobre; en 2000, du 12 au 29 juin et du 18 septembre au 14 octobre; en 2001, du 11 au 28 juin et du 9 septembre au 4 octobre; en 2002, du 17 septembre au 15 octobre; en 2003, du 16 au 26 septembre. Des relevés ont été effectués dans le détroit de Johnstone du 4 au 29 septembre 1998 et du 3 au 10 septembre 1999.

Au total, 794 coups de seine ont été réalisés, et les prises sont classées par région, saison et année dans 22 tableaux. Neuf ordres de poissons et trois ordres d'invertébrés ont été observés. Les données sur la longueur de 86 759 harengs de moins d'un an et de 25 755 harengs de plus d'un an sont résumées par saison, année et région dans 23 tableaux. Les données sur la longueur de 18 067 saumons juvéniles (cinq espèces) sont résumées par saison et année dans 12 tableaux.

Les données tirées de 308 échantillons de plancton sont classées par saison et année dans 22 tableaux. En tout, 28 catégories d'organismes appartenant à 10 embranchements ont été observées. Dans la catégorie des copépodes, les espèces ont été identifiées dans la mesure du possible. Trois espèces de copépodes cyclopoïdes et 23 espèces de copépodes calanoïdes ont été recensées.

Le contenu stomacal de 858 harengs a été analysé lors de quatre des huit années de l'étude. Les données sur le contenu stomacal sont classées en fonction de l'âge des poissons, de la saison et de l'année dans 33 tableaux. De plus, les estomacs ont été cotés en fonction de leur taux de plénitude et du stade de digestion de leur contenu. Ces données sont présentées dans 4 tableaux.

INTRODUCTION

Pacific herring (*Clupea pallasi*) spawn principally on marine vegetation in the subtidal and lower intertidal zone, generally in March on the south coast of British Columbia. The larvae hatch in about two weeks and disperse with the surface current, metamorphosing at a length of ~25 mm (Hourston and Haegele 1980). These 0+ fish are generally found nearshore, along with salmon juveniles and other schooling fishes, as well as non-schooling fishes . From 1990 to 1994 juvenile herring surveys were conducted at the Pacific Biological Station in Nanaimo in the Strait of Georgia to determine whether an estimate of juvenile herring could be used to predict the recruitment of the incoming year class (2+ fish) to the fishery (Haegele 1996). There was no juvenile herring survey in 1995. In 1996, funding was provided by the Herring Conservation and Research Society to continue the juvenile herring surveys. The data collected from 1996 to 2003 are the subject of this report. The results from 1996 to 2002 were previously informally reported in reports to the Herring Conservation and Research Society (Haegele and Armstrong 2003, 2002, 2001, 2000, 1999, 1998, and 1997).

Sampling was conducted at stations on transects. Prior to and including 1996, ten transects were established at approximately equal intervals around the perimeter of the Strait of Georgia. Transects were of two types; open coast and channel. Open coast transects (numbers 1, 3, 5, 9, and 11) were perpendicular to shore with five stations approximately 1 km apart, and starting ~400 m from high water in ~10 m depth. Channel transects (numbers 2, 4, 6, 8, and 10) were across channels with the outer stations ~360 m from high water in ≈15 m depth, a mid-channel station, and one station between each outer and mid-channel station, for a total of five stations. Channel stations were ~1000 m apart. In 1997 an additional 13 transects, spaced between the original transects, were established. Ten of these (transects 14-20 and 22-24) were open coast transects and three (transects 12, 13 and 21) were channel transects. In 1998, more stations were added in the Strait of Georgia and the survey was expanded to Johnstone Strait. In the Strait of Georgia, two stations (transects 26 and 27) were established nearshore and eight offshore stations (transect 24 - stations 4-6, transect 25 - stations 2-4, and transect 35 - stations 1 and 2) were added. In upper Johnstone Strait transects 101-120 were established and in lower Johnstone Strait transects 19, 30-34, and 121-133 were established. In 1999 offshore stations were added to transects 1, 3 and 5, and an offshore transect (36) was added. In 2000 one station in Bute Inlet (transect 99) was added. In 2001 transect 37 in the Fraser River estuary was added. The positions of transects and stations in Johnstone Strait are shown in Fig. 1 and listed in Table 1 for the upper Johnstone Strait and in Table 2 for the lower Johnstone Strait. The positions of transects and stations in the Strait of Georgia are shown in Fig. 2, and listed in Table 3 for the mainland shore of the upper Strait of Georgia, in Table 4 for the Vancouver Island shore of the upper Strait of Georgia and in Table 5 for the lower Strait of Georgia. Transects are listed north to south in the tables.

Surveys were conducted in June and September-October. Surveys were conducted in the Strait of Georgia June 18-29 and September 16-26, 1996; June 17-July 1

and September 13-25, 1997; September 16-October 3, 1998; September 20-October 4, 1999; June 12-29 and September 18–October 14, 2000; June 11-28 and September 9–October 4, 2001; September 17-October 15, 2002; and September 16-26, 2003. Surveys were conducted in Johnstone Strait September 4-29, 1998 and September 3-10, 1999. Not all transects and stations were sampled in each sampling period. The tables list only the transects and stations sampled in the year under consideration. Transects sampled by seine for fish were not always sampled for plankton. Stomach analysis for herring was not done in 1997-1999 and 2003.

METHODS

Fish were sampled with a 183 m long and 27 m deep seine net of knotless web. The body of the net had 46 m of 22.2 mm mesh at the tow end followed by 91 m of 19.0 mm mesh. The bunt of the net was 46 m of 9.5 mm mesh. Net diameter was ~58 m and area fished by the net was ~2660 m^2. The net fished to a depth of ~10 m. Generally, all of the catch was landed, but if it was large, then one tote of ~40 kg of fish was landed and the remainder estimated, in terms of totes, as the fish were released over the corkline. Landed catches were sorted by species, weighed and samples of herring and juvenile salmon were preserved in ~3.7% seawater formalin. Time between landing and preservation was 5-15 min and most fish were alive or recently dead at the time of preservation. Fish were measured for length (standard length for herring and fork length for juvenile salmon) and weight 8-12 wks after preservation. Any loss or gain in length from fresh should have been relatively constant for all samples. Shrinkage and loss of weight was estimated at ~4% (Parker 1963).

Plankton was sampled with bongo nets of 19 cm diameter and 350-micron mesh. Flow was measured with a General Oceanics© model 2030R flow meter, from which volume of water filtered was calculated. Plankton was preserved in ~3.7% formaldehyde. In the laboratory, a volumetric splitter was used to reduce sample size to where the organisms could be conveniently counted in a counting tray under 30X magnification. Plankters were not generally identified to species but classified into readily recognizable categories, except for copepods, which were identified to species when possible. Densities are expressed as plankters$\bullet m^{-3}$.

Stomachs were removed from herring, up to ten 0+ and 1+ herring from each of the transects, if available, and the contents identified as for plankton. Stomachs were rated for fullness on a scale of 0 to 3 and for the state of digestion of the contents on a scale of 1 to 4.

The catch, length, plankton and stomach content data is listed in all the tables from north to south, following the order in the regions (Tables 1-5).

CATCH

Fish in nine orders and invertebrates in three orders were recorded in the eight years of the study (Table 6). The catch tables are separate for Johnstone Strait and the Strait of Georgia. The Strait of Georgia catches are also separated by season – June and September-October. Categories, usually species of fish or invertebrates, are identified in the catch tables by a four-letter code from Table 6.

Johnstone Strait

Fish were sampled by seine in Johnstone Strait in September of 1998 and 1999.

In 1998 there were 44 stations on 43 transects sampled by seine (Table 7). Zero+ herring occurred in all seine sets, 1+ herring in 75% of seine sets, and 2+ and older herring in 18% of seine sets. Catches of 0+ herring were larger in southern than northern Johnstone Straight. Juvenile salmon occurred in 91% of seine sets, with chinook occurring in 80%, chum in 41%, coho in 25%, pink in 45%, and sockeye in 11% of seine sets. Adult smelt, sandlance and squid occurred in 20-30% of seine sets. Spiny dogfish, anchovy, juvenile pollock, three-spine stickleback, and shiner perch occurred in 10-19% of seine sets. Adult coho salmon, juvenile smelt, juvenile and adult hake, prickleback, gunnel, adult and juvenile rockfish, and sculpins occurred in <10% of seine sets.

In 1999 there were 28 stations on 28 transects sampled by seine (Table 8). Zero+ herring occurred in all seine sets, 1+ herring in 82% of seine sets, and 2+ and older herring in 25% of seine sets. There was no difference in catches of 0+ herring between the southern and northern Johnstone Straight. Juvenile salmon occurred in 86% of seine sets, with chinook occurring in 68%, chum in 61%, coho in 14%, and pink in 50% of seine sets. Juvenile smelt occurred in 54% and shiner perch in 21% of seine sets. Spiny dogfish, three-spine stickleback, sandlance and squid occurred in 10-19% of seine sets. Anchovy, adult pink salmon, juvenile and adult pollock, tubesnout, pipefish, sculpins and shrimp occurred in <10% of seine sets.

Georgia Strait

Fish were sampled in the Strait of Georgia in June in 1996, 1997, 2000 and 2001. In September-October, fish were sampled in all eight years of the 1996-2003 study period.

June

Between June 18-29, 1996 there were 49 stations on 10 transects sampled by seine (Table 9). Herring occurred in 96% of seine sets, with 0+ herring occurring in 43%, 1+ herring in 92%, and 2+ herring in 16% of seine sets. Juvenile salmon occurred in 86% of seine sets with each of the five species of juvenile salmon occurring in >50% of seine sets. Spiny dogfish occurred in 31% of seine sets. Lamprey, anchovy, midshipman, juvenile pollock and three-spine stickleback occurred in 14-29% of seine

sets. Chinook adults, steelhead, juvenile hake, pipefish, shiner perch, sandlance and sculpins occurred in <10% of seine sets. Squid occurred in 31% of seine sets.

Between June17 and July 1, 1997 there were 69 stations on 23 transects sampled by seine. The large number of stations necessitated presenting the catch data in two tables: Table 10 for the mainland coast of the upper Strait of Georgia, which also includes data for transect 19 (Marina Island) from the lower Johnstone Strait region, and Table 11 for the Vancouver Island coast of the upper Strait of Georgia and for the lower Strait of Georgia. Herring occurred in all seine sets, with 0+ herring occurring in 87%, 1+ herring in 97%, and 2+ herring in 13% of seine sets. Juvenile salmon occurred in 97% of seine sets with chinook, coho and chum all occurring in over 80% of seine sets, sockeye in 47% of seine sets and pink in only one seine set. Stickleback occurred in 60% of seine sets. Spiny dogfish, anchovy, midshipman and juvenile hake occurred in 25-46% of seine sets. Lamprey, juvenile pollock, shiner perch, sandlance, sculpin and flatfish occurred in 10-24% of seine sets. Trout, adult smelt, juvenile smelt, adult hake, adult pollock, snake prickleback, gunnel, juvenile rockfish, juvenile lingcod and poacher occurred in <10% of seine sets. Squid occurred in 37% of seine sets.

Between June 12-29, 2000 there were 30 stations on 8 transects sampled by seine, including a station in Bute Inlet (transect 99), which is located in the lower Johnstone Strait region (Table 12). Zero+ herring occurred in 80% of seine sets and 1+ herring occurred in 100% of seine sets. There were no 2+ and older herring recorded. Juvenile chinook occurred in 7% of seine sets, chum in 97%, coho in 80%, and sockeye in 40%. No pink grilse were observed. Juvenile hake and stickleback occurred in 30% and 40% of catches, respectively. Lamprey, spiny dogfish, anchovy, midshipman, shiner perch, sculpin, flatfish and squid occurred in 13-20% of seine sets. Sardine, Pacific tomcod juveniles, eelpout, tubesnout, pipefish, wolf-eel, sandlance, juvenile sablefish, and juvenile lingcod occurred in <10% of seine sets.

Between June 11-28, 2001 there were 35 stations on 8 transects sampled by seine (Table 13). Zero+ herring occurred in 71% of seine sets, 1+ herring occurred in 89% of seine sets, and 2+ and older herring occurred in 3% of seine sets. Juvenile chinook occurred in 69% of seine sets, chum in 86%, coho in 60%, pink in 3%, and sockeye in 34%. Spiny dogfish occurred in 49% of catches, midshipman and stickleback in 34% of catches, anchovy in 23% of catches, and Pacific tomcod juveniles and sculpins in 20% of catches. Lamprey, shiner perch and sandlance occurred in <20% of catches, and juvenile hake, pipefish, prickleback, juvenile wolf-eel, poacher and flatfish occurred in <10% of catches. Squid occurred in 23% of seine sets.

September-October

Between September 16-26, 1996 there were 49 stations on 10 transects sampled by seine (Table 14). Herring occurred in 78% of seine sets, with 0+ herring occurring in 71%, 1+ herring in 41%, and 2+ herring in 8% of seine sets. Juvenile salmon occurred in 86% of seine sets with chinook and chum occurring in 73% of seine sets, pink in 57%, coho in 29% and sockeye in 12%. Spiny dogfish, juvenile pollock, stickleback, sandlance, and sculpins occurred in 14-29% of seine sets. Anchovy, chinook adults,

midshipman, juvenile hake, adult hake, Pacific tomcod juveniles, pipefish, shiner perch, chum mackerel, and flatfish occurred in <10% of seine sets. Squid occurred in 49% of seine sets.

Between September 13-25, 1997 there were 67 stations on 22 transects sampled by seine. The large number of stations necessitated presenting the catch data in two tables: Table 15 for the mainland coast of the upper Strait of Georgia, which also includes data for transect 19 (Marina Island) from the lower Johnstone Strait region, and Table 16 for the Vancouver Island coast of the upper Strait of Georgia and for the lower Strait of Georgia. Herring occurred in 99% of seine sets, with 0+ herring occurring in 99%, 1+ herring in 57%, and 2+ herring in 19% of seine sets. Juvenile chinook salmon occurred in 60% of seine sets, chum in 63%, coho in 24%, pink in 61% and sockeye in 45%. Dogfish, midshipman, juvenile hake, juvenile pollock, stickleback, shiner perch, gunnel, sandlance, sculpin and flatfish occurred in 10-27% of seine sets. Ratfish, anchovy, juvenile smelt, adult hake, adult pollock, Pacific tomcod juveniles, pipefish, adult rockfish and poacher occurred in <10% of seine sets. Squid occurred in 36% and shrimp in 9% of seine sets.

Between September 16 and October 3, 1998 there were 61 stations on 23 transects sampled by seine. The large number of stations necessitated presenting the catch data in two tables: Table 17 for the mainland coast of the upper Strait of Georgia and Table 18 for the Vancouver Island coast of the upper Strait of Georgia and for the lower Strait of Georgia. Zero+ herring occurred in 95% of seine sets, 1+ herring occurred in 70% of seine sets, and 2+ and older herring occurred in 8% of seine sets. Juvenile chinook occurred in 67% of seine sets, chum in 57%, coho in 26%, pink in 46%, and sockeye in 8%. Spiny dogfish, midshipman, juvenile hake, stickleback and sandlance occurred in 11-25% of seine sets. Anchovy, adult hake, juvenile pollock, Pacific tomcod juveniles, pipefish, shiner perch, gunnel, chub mackerel, sculpin and flatfish occurred in <10% of seine sets. Squid occurred in 43% of seine sets.

Between September 20 and October 4, 1999 there were 50 stations on 13 transects sampled by seine. Herring occurred in 95% of seine sets with 0+ herring occurring in 90%, 1+ herring in 73%, and 2+ and older herring in 35% of seine sets (Table 19). Juvenile chinook occurred in 68% of seine sets, chum in 72%, coho in 27%, and pink in 25%. Spiny dogfish, anchovy, smelt juveniles, adult hake, shiner perch and sandlance occurred in 10-26% of seine sets. Ratfish, pink and chum adults, adult smelt, midshipmen, juvenile hake, juvenile and adult pollock, Pacific tomcod juveniles, three-spine stickleback, tubesnout, pipefish, prickleback, gunnel, mackerel, greenling, juvenile lingcod, sculpin, poacher, and flatfish occurred in <10% of seine sets. Squid occurred in 23% and shrimp in 4% of seine sets.

Between September 18 and October 14, 2000 there were 92 stations on 21 transects sampled by seine. The large number of stations necessitated presenting the catch data in three tables: Table 20 for the mainland coast of the upper Strait of Georgia, which also includes data for transect 19 (Marina Island) from the lower Johnstone Strait region, Table 21 for the Vancouver Island coast of the upper Strait of Georgia and Table

22 for the lower Strait of Georgia. Zero+ herring occurred in 88% of seine sets, 1+ herring occurred in 40% of seine sets, and 2+ and older herring in 13% of seine sets. Juvenile chinook occurred in 65% of seine sets, chum in 64%, coho in 30%, pink in 23%, and sockeye in 4%. Spiny dogfish, anchovy, juvenile smelt, midshipman, juvenile hake, stickleback, gunnel, and sandlance occurred in 11-33% of seine sets. Adult hake, juvenile pollock, pipefish, shiner perch, prickleback, goby, juvenile rockfish, greenling, juvenile lingcod, sculpin, flatfish, and shrimp occurred in <10% of seine sets. Squid occurred in 45% of seine sets.

Between September 9 and October 4, 2001 there were 96 stations on 22 transects sampled by seine. The large number of stations necessitated presenting the catch data in three tables: Table 23 for the mainland coast of the upper Strait of Georgia, which also includes data for transect 19 (Marina Island) from the lower Johnstone Strait region, Table 24 for the Vancouver Island coast of the upper Strait of Georgia and Table 25 for the lower Strait of Georgia. Zero+ herring occurred in 88% of seine sets, 1+ herring occurred in 49% of seine sets, and 2+ and older herring in 6% of seine sets. Juvenile chinook occurred in 53% of seine sets, chum in 75%, coho in 33%, and pink and sockeye in 8%. Midshipman, juvenile hake and stickleback occurred in 25-35% of catches, and anchovy, juvenile smelt, pipefish, gunnels and sandlance occurred in 10-20% of seine sets. Spiny dogfish, sardine, adult hake, juvenile pollock, adult pollock, Pacific cod, Pacific tomcod, shiner perch, prickleback, sculpin and flatfish occurred in <10% of seine sets. Squid occurred in 58% of seine sets.

To address concerns about the repeatability of the juvenile herring surveys, two surveys were conducted between September 17 and October 15, 2002. Each station was sampled twice on successive days at approximately the same time of day. The sampling sites selected for this experiment were the "core" transects that had been sampled on all preceding surveys. In total there were 10 transects with 44 stations. Forty-four stations were sampled on the first sampling day (trial 1, Table 26) and, due to time and weather constraints, 34 stations were sampled on the second sampling day (trial 2, Table 27). There were 0+ herring in 86% of all trial 1 seine sets (n=44), in 88% of trial 1 sets which were duplicated in trial 2 (n=34), and in 94% of all trial 2 seine sets (n=34). There were 1+ herring in 43% of all trial 1 seine sets (n=44), in 44% of trial 1 sets which were duplicated in trial 2 (n=34), and in 50% of all trial 2 seine sets (n=34). The frequency of occurrence of all five species of salmon was similar in trial 1 and trial 2 seine catches and varied between 76% for chum to 3% for sockeye. Juvenile chinook salmon were present on all ten transects and in 52% of seine sets. Juvenile chum salmon were present on all ten transects and in 68% of seine sets. Juvenile coho salmon were present on five of the ten transects and in 20% of seine sets. Juvenile pink salmon were present on five of the ten transects and in 34% of seine sets. Juvenile sockeye salmon were present at only one station. The frequency of occurrence of other fishes and squid was similar between trials. Squid occurred in 50% of sets. Juvenile smelt, midshipmen, juvenile pollock, three-spine stickleback, pipefish, shiner perch, and gunnels occurred in 10-25% of seine sets. Spiny dogfish, skate, ratfish, juvenile hake, sandlance, gobies, juvenile lingcod, sculpin, poacher, and flatfish occurred in <10% of seine sets.

Between September 16-26, 2003 there were 46 stations on 10 transects sampled by seine (Table 28). Zero+ herring occurred in 85% of seine sets, 1+ herring occurred in 50% of seine sets, and 2+ and older herring in 2% of seine sets. Juvenile chinook occurred in 48% of seine sets, chum in 33%, coho in 2%, and pink 7%. Adult smelt, midshipman, juvenile hake and gunnels occurred in 12-22% of catches. Anchovy, adult pink salmon, juvenile pollock, three-spine stickleback, pipefish, shiner perch, sandlance, sculpin, snailfish and flatfish occurred in <10% of seine sets. Squid occurred in 50% of seine sets.

BIOLOGICAL CHARACTERISTICS OF HERRING

Juvenile herring were measured for standard length to the nearest mm and for weight to the nearest 0.1 gram. Length data is summarized in this report by season (June and September-October) and region (upper Johnstone Strait, lower Johnstone Strait, Upper Strait of Georgia – mainland shore, upper Strait of Georgia – Vancouver Island shore, and lower Strait of Georgia).

June

In June, size measurements were obtained for juvenile herring in four years: 1996, 1997, 2000 and 2001.

0+ herring

In 1996 there were 2,293 0+ herring from three regions measured (Table 29). Those from the upper Strait of Georgia – mainland shore (Ave=50.7mm, SD=7.4mm, N=610) were the largest, those from the upper Strait of Georgia – Vancouver Island shore (Ave=44.7mm, SD=4.8mm, N=1,626) were the next largest, and those from the lower Strait of Georgia (Ave=43.3mm, SD=5.5mm, N=57) were the smallest.

In 1997 there were 9,324 0+ herring from four regions measured (Table 30). Those from the upper Strait of Georgia – mainland shore (Ave=44.5mm, SD=6.3mm, N=4,249) were the largest, those from the upper Strait of Georgia – Vancouver Island shore (Ave=42.8mm, SD=4.9mm, N=3,911) and the lower Strait of Georgia (Ave=43.0mm, SD=5.3mm, N=568) were smaller and of equal size, and the those from lower Johnstone Strait (Ave=40.9mm, SD=4.6mm, N=596) were the smallest.

In 2000 there were 3,133 0+ herring from three regions measured (Table 31). Those from the upper Strait of Georgia – Vancouver Island shore (Ave=56.4mm, SD=8.6mm, N=1,359) were the largest, those from the lower Strait of Georgia (Ave=53.0mm, SD=5.6mm, N=598) were the next largest, and those from the upper Strait of Georgia – mainland shore (Ave=47.4mm, SD=7.4mm, N=1,176) were the smallest.

In 2001 there were 3,235 0+ herring from three regions measured (Table 32). Those from the upper Strait of Georgia – Vancouver Island shore (Ave=52.2mm,

SD=4.1mm, N=1,158) were the largest, those from the upper Strait of Georgia – mainland shore (Ave=47.8mm, SD=7.2mm, N=1,832) were the next largest, and those from the lower Strait of Georgia (Ave=44.0mm, SD=3.6mm, N=245) were the smallest.

1+ herring

In 1996 there were 4,248 1+ herring from three regions measured (Table 33). Those from the upper Strait of Georgia – Vancouver Island shore (Ave=124.7mm, SD=10.1mm, N=1,651) were the largest, those from the upper Strait of Georgia – mainland shore (Ave=119.3mm, SD=8.1mm, N=1,084) were the next largest, and those from the lower Strait of Georgia (Ave=115.6mm, SD=10.1mm, N=1,513) were the smallest.

In 1997 there were 5,332 1+ herring from four regions measured (Table 34). Those from the lower Johnstone Strait (Ave=126.0mm, SD=8.4mm, N=162), the upper Strait of Georgia – mainland shore (Ave=125.5mm, SD=9.7mm, N=1,495), and the upper Strait of Georgia – Vancouver Island shore (Ave=127.0mm, SD=9.3mm, N=2,565) were of similar length and larger than those from the lower Strait of Georgia (Ave=119.8mm, SD=6.5mm, N=1,110).

In 2000 there were 2,266 1+ herring from four regions measured (Table 35). Those from the lower Johnstone Strait (Ave=126.7mm, SD=10.5mm, N=128) and those from the upper Strait of Georgia – Vancouver Island shore (Ave=128.1mm, SD=9.0mm, N=450) were of similar length and the largest. Those from the upper Strait of Georgia - Vancouver Island shore (Ave=11.3mm, SD=9.4mm, N=1,267) were of intermediate length. Those from the lower Strait of Georgia (Ave=109.4mm, SD=9.5mm, N=421) were the smallest.

In 2001 there were 3,979 1+ herring from three regions measured (Table 36). Those from the upper Strait of Georgia – Vancouver Island shore (Ave=123.2mm, SD=9.0mm, N=810) were the largest, those from the upper Strait of Georgia – mainland shore (Ave=117.6mm, SD=8.4mm, N=2,167) were of intermediate length, and those from the lower Strait of Georgia (Ave=107.7mm, SD=9.6mm, N=1,002) were the smallest.

September - October

In September-October, size measurements were obtained for juvenile herring in all eight years (1996-2003).

0+ herring

In 1996 there were 4,008 0+ herring from three regions measured (Table 37). Those from the upper Strait of Georgia – mainland coast (Ave=93.0mm, SD=5.5mm, N=1,776) and the lower Strait of Georgia (Ave=92.7mm, SD=6.7mm, N=503) were of similar length and larger than those from the upper Strait of Georgia – Vancouver Island shore (Ave=91.2mm, SD=6.3mm, N=1,729).

In 1997 there were 8,498 0+ herring from four regions measured (Table 38). Those from lower Johnstone Strait (Ave=81.6mm, SD=6.6mm, N=382) and the upper Strait of Georgia – mainland shore (Ave=81.1mm, SD=4.7mm, N=4,256) were of similar length and the largest. Those from the upper Strait of Georgia – Vancouver Island shore (Ave=79.1mm, SD=5.2mm, N=1,460) were of intermediate length. Those from the lower Strait of Georgia (Ave=74.2mm, SD=6.5mm, N=2,400) were the smallest.

In 1998 there were 14,079 0+ herring from five regions measured (Table 39). Those from the upper Strait of Georgia – Vancouver Island shore (Ave=102.5mm, SD=7.3mm, N=1,413) were the longest, followed by those from the upper Strait of Georgia – mainland shore (Ave=101.6mm, SD=6.6mm, N=3,821), the upper Johnstone Strait (Ave=97.1mm, SD=8.8mm, N=2,062), the lower Strait of Georgia (Ave=87.3mm, SD=5.1mm, N=2,527), and the lower Johnstone Strait (Ave=82.8mm, SD=9.5mm, N=4,256), which were the shortest.

In 1999 there were 9,202 0+ herring from five regions measured (Table 40). Those from the upper Strait of Georgia – mainland shore (Ave=97.4mm, SD5.5mm, N=1,201) were the longest, followed by those from the upper Strait of Georgia – Vancouver Island shore (Ave=90.8mm, SD=5.5mm, N=1,674), and those from the upper Johnstone Strait (Ave=83.2mm, SD=7.2mm, N=2,404). Those from the lower Strait of Georgia (Ave=78.2mm, SD=5.3mm, N=1,569) and the lower Johnstone Strait (Ave=77.7mm, SD=7.8mm, N=2,354) were the shortest.

In 2000 there were 10,853 0+ herring from four regions measured (Table 41). Those from the lower Johnstone Strait (Ave=91.4mm, SD=4.7mm, N=445) and the upper Strait of Georgia – Vancouver Island shore (Ave=91.6mm, SD=7.0mm, N=3,456) were of similar length and the longest. Those from the upper Strait of Georgia – mainland shore (Ave=87.3mm, SD=6.4mm, N=4,201) were of intermediate length, and those from the lower Strait of Georgia (Ave=79.1mm, SD=6.0mm, N=2,751) were the shortest.

In 2001 there were 10,945 0+ herring from four regions measured (Table 42). Those from the upper Strait of Georgia – Vancouver Island shore (Ave=89.7mm, SD=5.8mm, N=4,419) were the longest. Those from the upper Strait of Georgia – mainland shore (Ave=86.5mm, SD=5.7mm, N=2,720) were of intermediate length. Those from the lower Johnstone Strait (Ave=80.2mm, SD=5.8mm, N=556) and the lower Strait of Georgia (Ave=80.4mm, SD=5.6mm, N=3,250) were of similar length and the shortest.

In 2002 there were 8,370 0+ herring from three regions measured (Table 43). Those from the upper Strait of Georgia – mainland shore (Ave=94.0mm, SD=5.4mm, N=2,964) were the longest. Those from the upper Strait of Georgia – Vancouver Island shore (Ave=93.4mm, SD=8.0mm, N=3,288) were of intermediate length. Those from the lower Strait of Georgia (Ave=82.4mm, SD=5.5mm, N=2,118) were the shortest.

In 2003 there were 2,819 0+ herring in three regions measured (Table 44). Those of the upper Georgia Strait – mainland shore (Ave=94.8mm, SD=5.8mm, N=1,236) and

the upper Strait of Georgia – Vancouver Island shore (Ave=94.3mm, SD=6.0mm, N=1,127) were of similar length and longer than those from the lower Strait of Georgia (Ave=90.1mm, SD=3.7mm, N=456).

1+ herring

In 1996 there were 605 1+ herring in three regions measured (Table 45). Those from the upper Strait of Georgia – Vancouver Island shore (Ave=134.8mm, SD=9.4mm, N=409) were longer than those from the upper Strait of Georgia - mainland shore (Ave=130.3mm, SD=8.3mm, N=186). There were few 1+ herring measured in the lower Strait of Georgia and they were shortest (Ave=120.6mm, SD=4.1mm, N=10).

In 1997 there were 1,489 1+ herring in four regions measured (Table 46). Those from the lower Johnstone Strait (Ave=141.3mm, SD-=8.2mm, N=149), the upper Strait of Georgia – mainland coast (Ave=139.0mm, SD=9.8mm, N=563), and the upper Strait of Georgia – Vancouver Island shore (Ave=138.1mm, SD=8.9mm, N=768) were of similar length. The few 1+ herring measured in the lower Strait of Georgia (Ave=124.9mm, SD=10.7mm, N=9) were shorter.

In 1998 there were 2,211 1+ herring in five regions measured (Table 47). Those from the upper Strait of Georgia – mainland shore (Ave=135.6mm, SD=10.1mm, N=673) and the upper Strait of Georgia – Vancouver Island shore (Ave=134.5mm, SD=11.3mm, N=449) were of similar length and the longest, followed by those from the lower Johnstone Strait (Ave=129.2mm, SD=9.0, N=511) and upper Johnstone Strait (Ave=126.9mm, SD=9.2mm, N=561). The few 1+ herring measured in the lower Strait of Georgia (Ave=123.4mm, SD=5.5mm, N=17) were the same length as those from the two Johnstone Strait regions.

In 1999 there were 1,847 1+ herring in five regions measured (Table 48). Those from the upper Strait of Georgia – mainland coast (Ave=148.0mm, SD=8.1mm, N=561) were the longest, followed by those from the upper Strait of Georgia – Vancouver Island shore (Ave=145.4mm, SD=8.9mm, N=397), the upper Johnstone Strait (Ave=135.6mm, SD=10.8mm, N=497), and the lower Johnstone Strait (Ave=124.3mm, SD=12.9mm, N=391). Only one 0+ herring (146mm) was measured in the lower Strait of Georgia.

In 2000 there were 481 1+ herring in three regions measured (Table 49). Those from the upper Strait of Georgia – mainland coast (Ave=137.9mm, SD=12.9mm, N=62) and the lower Strait of Georgia – Vancouver Island coast (Ave=134.7mm, SD=9.6mm, N=407) were of similar length. The few 1+ herring measured in the lower Strait of Georgia (Ave=128.7mm, SD=13.6mm, N=12) were shorter.

In 2001 there were 1,813 1+ herring in four regions measured (Table 50). Those from the lower Johnstone Strait (Ave=133.3mm, SD=7.2mm, N=192) were the largest, followed by those from the upper Strait of Georgia – Vancouver Island shore (Ave=129.9mm, SD=8.6mm, N=763), the upper Strait of Georgia – mainland shore (Ave=128.6mm, SD=8.6mm, N=756), and the lower Strait of Georgia (Ave=125.9mm, SD=10.9mm, N=102).

In 2002 there were 536 1+ herring in three regions measured (Table 51). Those from the upper Strait of Georgia – mainland shore (Ave=131.9mm, SD=10.5mm, B=283) were longer than those from the upper Strait of Georgia – Vancouver Island shore (Ave= 126.7mm, SD=8.3mm, N=251). Two 1+ herring (117 and 120 mm) from the lower Strait of Georgia were measured.

In 2003 there were 948 1+ herring in three regions measured (Table 52). Those from the upper Strait of Georgia – mainland shore (Ave=133.5mm, SD=9.0mm, N=365) and the upper Strait of Georgia – Vancouver Island shore (Ave=132.6mm, SD=7.3mm, N=580) were of similar length. Three 1+ herring (115, 122, and 131mm) from the lower Strait of Georgia were measured.

BIOLOGICAL CHARACTERISTICS OF SALMON

Juvenile salmon were measured for fork length to the nearest mm and for weight to the nearest 0.1 gram. Length data is summarized in this report by 5 mm intervals for each species for the two seasons (June and September-October).

June

In 1996 there were 2,516 juvenile salmon measured (Table 53). Coho (Ave=137.4mm, SD=31.0mm, N=231) were the longest, followed by chinook (Ave=113.7mm, SD=25.1mm, N=131), chum (Ave=106.4mm, SD=15.5mm, N=635), sockeye (Ave=99.9mm, SD=13.4mm, N=197), and pink (Ave=92.7mm, SD=11.1mm, N=1,322).

In 1997 there were 3,679 juvenile salmon measured (Table 54). Sockeye (Ave=117.4mm, SD=12.1mm, N=139) and coho (Ave=115.5mm, SD=33.8mm, N=856) were the longest, followed by chinook (Ave=106.3mm, SD=23.9mm, N=551), and chum (Ave=94.2mm, SD=17.6mm, N=,2132). There was only one pink measured.

In 2000 there were 2,323 juvenile salmon measured (Table55). Coho (Ave=131.1mm, SD=28.9mm, N=396) were the longest, followed by sockeye (Ave=106.9mm, SD=13.5mm, N=69), and chum (Ave=93.3mm, SD=12.8mm, N=1,852). There were only six chinook measured and they averaged 119.0mm.

In 2001 there were 2,118 juvenile salmon measured (Table 56). Chinook (Ave=116.3mm, SD=21.3mm, N=228) were the longest, followed by sockeye (Ave=106.5mm, SD=10.3mm, N=189), chum (Ave=97.5mm, SD=13.0mm, N=1,601), and coho (Ave=141.7mm, SD=27.4mm, N=91). There were only nine pinks (Ave=110.2mm) measured.

September - October

In 1996 there were 751 juvenile salmon measured (Table 57). Coho (Ave=232.5mm, SD=21.2mm, N=61) were the longest, followed by chum (Ave=198.7mm, SD=17.4mm, N=302), pink (Ave=183.7mm, SD=16.6mm, N=141), and chinook (Ave=162.8mm, SD=24.2mm, N=231). There were only nineteen sockeye (Ave=168.8mm) measured.

In 1997 there were 1,144 juvenile salmon measured (Table 58). Coho (Ave=187.5mm, SD=43.1mm, N=45) were the longest, followed by sockeye (Ave=174.2mm, SD=22.5mm, N=257, chum (Ave=163.5mm, SD=19.5mm, N=469), chinook (Ave=147.9mm, SD=45.7mm, N=179), and pink (Ave=138.3, SD=37.4, N=194).

In 1998 there were 1,793 juvenile salmon measured (Table 59). Coho (Ave=198.1mm, SD=29.9mm, N=100) were the longest, followed by chum (Ave=183.3mm, SD=20.9mm, N=711), and pink (Ave=170.9mm, SD=20.0mm, N=575) and chinook (Ave=168.8mm, SD=27.2mm, N=394), which were of the same length. There were only thirteen sockeye (Ave=134mm) measured.

In 1999 there were 1,514 juvenile salmon measured (Table 60). Coho (Ave=224.7mm, SD=38.9mm, N=92) were the longest, followed by chum (Ave=172.7, SD=33.0mm, N=809), chinook (Ave=164.9mm, SD=32.6mm, N=201), and pink (Ave=126.4mm, SD=15.3mm, N=412). There were no sockeye measured.

In 2000 there were 733 juvenile salmon measured (Table 61). Coho (Ave=213.45mm, SD=31.7mm, N=62) were the longest, followed by chum (Ave=201.9mm, SD=17.8mm, N=443), pink (Ave=191.4mm, SD=13.3mm, N=70), and chinook (Ave=180.9mm, SD=30.6mm, N=153). There were only five sockeye (Ave=140.0 mm) measured.

In 2001 there were 825 juvenile salmon measured (Table 62). Coho (Ave=233.2mm, SD=27.1mm, N=119) were the longest, followed by chum (Ave=188.0mm, SD=18.0mm, N=551) and chinook (Ave=182.6mm, SD=28.3mm, N=134), which were of the same length. There were only nine pinks (Ave=171.1mm) and twelve sockeye (Ave=186.3mm) measured.

In 2002 there were 534 juvenile salmon measured (Table 63). Coho (Ave=188.8mm, SD=47.8mm, N=23) and chum (Ave=188.4mm, SD=21.9mm, N=204) were of equal length and longest, followed by pink (Ave=173.3mm, SD=19.2mm, N=164), chinook (Ave=155.5mm, SD=22.3mm, N=121), and sockeye (Ave=137.5mm, SD=8.5mm, N=22).

In 2003 there were 137 juvenile salmon measured (Table 64). Chum (Ave=187.6mm, SD=11.3mm, N=71) were longer than chinook (Ave=161.1mm,

SD=22.1mm, N=61). There were only five pinks (Ave=159.0mm) measured and no coho or sockeye.

PLANKTON

There were 28 categories of organisms in 10 phyla identified in plankton samples and herring stomachs (Table 65). Copepods were identified to species, where possible. There were 23 calanoid and 3 cyclopoid species in the samples (Table 66), and unidentified calanoid, cyclopoid, harpacticoid and caligoid copepods were also recorded. Tables for plankton results are separated by season and year. Organisms and copepods are identified by a 4-letter code, from Tables 85 and 66, in the plankton tables.

June

Plankton samples from 20 stations on 10 transects were analyzed in 1996 (Tables 67 and 68). An average of 12.9 m^3 (SD=3.2) of water was filtered per tow. Barnacle larvae, followed by copepods, larvaceans, eggs, ectoprocts, euphausiid larvae, and cladocerans were the most common plankters. Medusae, ctenophores, polychaetes, gastropods, shrimp, crab zoea, and amphipods occurred in more than 80% of the samples, but in smaller numbers. Calanoid copepods were 13 times as abundant as cyclopoid copepods. The most numerous copepods were *Acartia longimeres* and *Pseudocalanus minutus*, both calanoid copepods. These were followed in abundance by *Oithona* sp. and *Corycaeus anglicus*, both cyclopoid copepods. *Centopages abdominales*, a calanoid copepod, was also abundant.

Plankton samples from 19 stations on 7 transects were analyzed in 1997 (Tables 69 and 70). An average of 18.8 m^3 (SD=2.7) of water was filtered per tow. Copepods, followed by barnacle larvae, cladocerans and crab zoea were the most common plankters. Ctenophores, shrimp and amphipods occurred in more than 80% of the samples, but in smaller numbers. Calanoid copepods were 39 times as abundant as cyclopoid copepods. The calanoid copepod *Acartia longimeres* occurred in all samples and was by far the most numerous copepod.

Plankton samples from 22 stations on 8 transects were analyzed in 2000 (Tables 71 and 72). An average of 11.9 m^3 (SD=5.3) of water was filtered per tow. Copepods, followed by cladocerans, eggs, larvaceans, ectoprocts, and barnacle larvae were the most common plankters. Medusae, shrimp, crab zoea, and euphausiid larvae occurred in more than 80% of the samples, but in smaller numbers. Siphonophores, ctenophores, polychaetes, gastropods, crab megalopea, amphipods, and chaetognaths occurred less frequently and in smaller numbers. Pelecypods, isopods, euphausiid adults, insects, echinoderms, and teleost larvae occurred infrequently and in trace amounts. Calanoid copepods were 10.4 times as abundant as cyclopoid copepods. The calanoid copepods *Acartia longiremis, Centropages abdominales*, *Metridia pacifica*, *Pseudocalanus* sp., and *Calanus marshallae*, followed by the cyclopoid copepod *Oithona* sp., were the most abundant. Other frequently occurring copepods were the calanoids *Eucalanus bungii* and

Paracalanus parvus and the cyclopoid *Corycaeus anglicus*. The calanoids *Epilabidocera longipedata*, *Tortanus discaudatus*, and *Scolecithricella minor* occurred infrequently and in trace amounts.

Plankton samples from 32 stations on 9 transects were analyzed in 2001 (Tables 73 and 74). An average of 12.9 m^3 (SD=3.8) of water was filtered per tow. Copepods, followed in order of abundance by barnacle larvae, larvaceans, crab zoea, shrimp, ectoprocts, amphipods, medusae, and ctenophores occurred in >80% of samples. Siphonophores, followed in order of abundance by cladocerans, euphausiid larvae, gastropods, polychaetes, chaetognaths, and crab megalopea occurred in 45-80% of the samples. Pelecypods, euphausiid adults, teleost larvae, echinoderms, and isopods occurred infrequently and in smaller numbers. Calanoid copepods were 18.9 times as abundant as cyclopoid copepods. The calanoid copepods *Acartia longiremis*, *Pseudocalanus* sp., *Metridia pacifica*, *Centropages abdominales*, *Calanus pacificus*, *Calanus marshallae*, *Paracalanus parvus* and *Eucalanus bungii*, and the cyclopoid copepods *Oithona* sp. and *Corycaeus anglicus*, were the most abundant. The calanoids *Tortanus discaudatus*, Epilabidocera *longipedata*, *Oncea borealis*, *Scolecithricella minor* and *Candacia columbiae* occurred infrequently or in small numbers.

September - October

Plankton samples from 20 stations on 10 transects were analyzed in 1996 (Tables 75 and 76). An average of 20.3 m^3 (SD=3.8) of water was filtered per tow. Copepods, followed by barnacle larvae, larvaceans, eggs, siphonophores, euphausiid larvae, and cladocerans were the most common plankters. Medusae, gastropods, shrimp, crab zoea, and amphipods occurred in more than 80% of samples, but in smaller numbers. Calanoid copepods were 3 times as abundant as cyclopoid copepods. *Corycaeus anglicus*, a cyclopoid copepod, was most numerous, followed by *Pseudocalanus minutus*, a calanoid copepod, and then the other cyclopoid copepod (*Oithona* sp.). *Metridia pacifica*, *Tortanus discaudatus*, and *Paracalanus parvus* were the other abundant copepods.

Plankton samples from 19 stations on 7 transects were analyzed in 1997 (Tables 77 and 78). An average of 16.6 m^3 (SD=2.1) of water was filtered per tow. Cladocerans, copepods and barnacle larvae were the most common plankters. Polychaetes, gastropods, shrimp, crab zoea and amphipods occurred in more than 80% of samples, but in smaller numbers. Calanoid copepods were five times as abundant as cyclopoid copepods and monstrilloids and harpacticoids occurred infrequently and in trace quantities. The calanoids *Paracalanus parvus* and *Pseudocalanus minutus* and the cyclopoids *Oithona* sp. and *Corycaeus anglicus* were the most abundant copepods.

Plankton samples from 26 stations on 14 transects were analyzed in 1998 (Tables 79 and 80). An average of 16.8 m^3 (SD=2.3) of water was filtered per tow. Copepods, followed by chaetognaths, siphonophores and barnacle larvae were the most common plankters. Amphipods, gastropods, medusae, and euphausiid larvae occurred in more than 80% of the samples, but in smaller numbers. Calanoid copepods were 3.7 times as abundant as cyclopoid copepods. The calanoid copepods *Calanus pacificus* and *Calanus*

marshallae, followed by the cyclopoid copepod *Corycaeus anglicus*, which occurred in all samples, were the most abundant copepods. The calanoid copepods *Pseudocalanus minutus*, *Metridia pacifica*, and *Paracalanus parvus* and the cyclopoid copepod *Oithona* sp. occurred in more than 70% of samples. Harpacticoid copepods occurred in only one sample and there were no monstrilloid copepods observed.

Plankton samples from 37 stations on 19 transects were analyzed in 1999 (Tables 81 and 82). An average of 17.4 m^3 (SD=2.8) of water was filtered per tow. Copepods, followed by larvaceans, siphonophores, gastropods and barnacle larvae were the most common plankters. Euphausiids, ctenophores, amphipods, polychaetes, crab larvae, and medusae occurred in more than 80% of the samples, but in smaller numbers. Pelecypods, cladocerans, ostracods, ectoprocts, echinoderms, and eggs occurred less frequently and in smaller numbers. Isopods, insects, thaliaceans, and teleost larvae occurred infrequently and in trace amounts. Calanoid copepods were 8.3 times as abundant as cyclopoid copepods. Juvenile stages of the calanoid copepods *Calanus pacificus* and *Calanus marshallae*, followed by the calanoid copepods *Paracalanus parvus* and *Pseudocalanus minutus* were the most abundant. Other frequently occurring copepods were the cyclopoids *Oithona* sp. and *Corycaeus anglicus* and the calanoids *Eucalanus bungii*, *Metridia pacifica*, *Tortanus discaudatus*, and *Acartia longimeres*. Monstrilloids, harpticoids, and the calanoids *Euchaeta japonica*, *Epilabidocera longipedata*, *Chiridius gracilis*, *Aetidius divergens*, *Scolecithricella minor*, and *Oncaea borealis* occurred infrequently and in trace amounts.

Plankton samples from 23 stations on 9 transects were analyzed in 2000 (Tables 83 and 84). An average of 11.5 m^3 (SD=4.3) of water was filtered per tow. Copepods, followed by larvaceans, siphonophores, barnacle larvae, gastropods, and eggs were the most common plankters. Medusae, ctenophores, polychaetes, shrimp, and amphipods occurred in more than 70% of the samples, but in smaller numbers. Pelecypods, cladocerans, crab larvae, euphausiid larvae, ectoprocts, and chaetognaths occurred less frequently and in smaller numbers. Ostracods, isopods, euphausiid adults, insects, echinoderms, and teleost larvae occurred infrequently and in trace amounts. Cyclopoid copepods were 3.1 times as abundant as calanoid copepods. The cyclopoid *Oithona* sp. was the most abundant copepod, followed by the calanoids *Paracalanus parvus*, *Pseudocalanus* sp., the cyclopoid *Corycaeus anglicus*, and the calanoids *Calanus pacificus* and *Calanus marshallae*. Other frequently occurring copepods were the calanoids *Eucalanus bungii*, *Metridia pacifica*, *Tortanus discaudatus*, and *Acartia longiremis*. The calanoids *Epilabidocera longipedata*, *Euchaeta japonica*, and *Centropages abdominales* occurred infrequently and in trace amounts. Monstrilloid and harpacticoid copepods also occurred in trace amounts.

Plankton samples from 43 stations on 13 transects were analyzed in 2001 (Tables 85 and 86). An average of 13.6 m^3 (SD=3.5) of water was filtered per tow. Larvaceans, followed in number by barnacle larvae, copepods, siphonophores, gastropods, medusae, shrimp, and crab zoea occurred in >80% of samples. Cladocerans, followed in number by siphonophores, polychaetes, euphausiid larvae, ctenophores, amphipods, and crab megalopea occurred in 45-80% of the samples. Echinoderms, chaetognaths, ectoprocts

and euphausiid adults occurred less frequently and in smaller numbers. Pelecypods, insects, teleost larvae, ostracods and isopods occurred infrequently and in trace amounts. Calanoid copepods were 2.8 times as abundant as cyclopoid copepods. The calanoids *Paracalanus parvus*, *Pseudocalanus* sp., *Calanus pacificus*, *Calanus marshallae* and *Acartia longiremis*, and the cyclopoids *Oithona* sp. and *Corycaeus anglicus* occurred in >80% of samples. Less frequently occurring copepods were the calanoids *Metridia pacifica*, *Tortanus discaudatus*, *Centropages abdominales* and *Eucalanus bungii*. The calanoids *Epilabidocera longipedata* and *Scolecithrecalla minor* occurred infrequently and in trace amounts. Harpacticoid copepods also occurred in trace amounts.

Plankton samples from 47 stations on 10 transects were analyzed in 2002 (Tables 87 and 88). An average of 14.7 m^3 (SD=3.2) of water was filtered per tow. Copepods occurred in all samples. Siphonophores, gastropods, amphipods, larvaceans, the calanoid copepods *Acartia longiremis*, *Paracalanus parvus* and *Pseudocalanus* sp., and the cyclopoid copepods *Oithona* sp. and *Corycaeus anglicus* occurred in >80% of samples. Medusae, ctenophores, polychaetes, crab zoea, barnacle larvae, and the calanoid copepods *Calanus* sp. and *Calanus pacificus* occurred in 50-80% of samples. Crab megalopea, euphausiid larvae, euphausiid adults, chaetognaths, eggs, and the calanoid copepods *Epilabidocera longipedata*, *Metridia pacifica* and *Tortanus discaudatus* occurred in 25-49% of samples. Pteropods, cladocerans, ostracods, octopus larvae, isopods, insects, ectoprocts, echinoderms, teleost larvae, and the calanoid copepods *Eucalanus bungii*, *Eucalanus elongatus*, *Candacia columbiae*, *Centropages abdominales*, *Acartia clausi*, *Scolecithricella minor*, *Microcalanus pygmaeus pusillus* and *Oncaea borealis* occurred infrequently.

Although plankton samples were collected in 2003, none were analyzed due to funding constraints.

STOMACH CONTENTS

Stomachs were rated for fullness on a scale of 0 to 3 (0=empty, 1=trace, 2=half-full and 3=full) and for the state of digestion of the contents on a scale of 1 to 4 (1=fresh, 2=partly digested, 3=mostly digested and 4=completely digested). Tables for stomach content are separated by season and year. Organisms and copepods are identified by a 4-letter code, from Tables 85 and 66, in the stomach content tables.

June

There were 90 herring stomachs from June 1996 examined (Table 89). Of thirty-five 0+ herring stomachs, 13 contained more than a trace of food with contents less than completely digested (Table 90 and 91). Copepods occurred in all of these stomachs and contributed 60% of the food items. Only 2.3% of the copepods were identified to species, but 98.5% of the copepods were calanoids. Barnacle nauplii and euphausiid larvae were the other major food items. Of forty-nine 1+ herring stomachs, 23 contained more than a trace of food with contents less than completely digested (Table 92 and 93).

Copepods were the most abundant food item and 98.7% of the copepods were calanoids. Barnacle nauplii, cladocerans, eggs, amphipods, euphausiid larvae and polychaetes were the other major food items. All six 2+ herring stomachs contained food (Table 94 and 95). Adult euphausiids occurred in all stomachs. Calanoid copepods were the next most frequent prey, with *Metridia pacifica* identified in all but one stomach. The other major prey was amphipods and euphausiid larvae.

There were 105 herring stomachs from June 2000 examined (Table 96). Of forty-six 0+ herring stomachs, 30 contained more than a trace of food with contents less than completely digested (Table 97 and 98). Copepods were the major food item. The most frequently ingested copepods were the calanoids *Paracalanus parvus*, *Centropages abdominales*, *Acartia longiremis*, and the cyclopoid *Corycaeus anglicus*. The most frequently occurring other food items were eggs, larvaceans, barnacle larvae, amphipods, euphausiid larvae, and ectoprocts. Other calanoid copepods found in the stomachs in small amounts were *Eucalanus bungii*, *Calanus marshallae*, *Calanus pacificus*, *Metridia pacifica*, *Scolecithricella minor*, and *Pseudocalanus* sp. Other organisms that occurred infrequently were pelecypods, cladocerans, ostracods, shrimp, and crab zoea. Of fifty-nine 1+ herring stomachs, 20 contained more than a trace of food with contents less than completely digested (Table 99 and 100). Calanoid copepods, euphausiid adults, and amphipods were the major food items. The most frequently ingested copepods were *Calanus pacificus*, *Eucalanus bungii*, *Calanus marshallae*, and *Metridia pacifica*. Other copepods that occurred infrequently and in small numbers were *Epilabidocera longipedata*, *Centropages abdominales*, *Acartia longiremis*, and *Pseudocalanus* sp. Other food items that occurred infrequently and in small numbers were cladocerans, ostracods, shrimp, crab larvae, barnacle larvae, and euphausiid larvae.

There were 107 herring stomachs from June 2001 examined (Table 101). Of fifty 0+ herring stomachs, 24 contained more than a trace of food with contents less than completely digested (Table 102 and 103). Copepods accounted for 95% of food items. The calanoid copepod Paracalanus *parvus* accounted for 83% of copepods found in the stomachs. The other copepods occurring in any number or frequency were the calanoid *Acartia longimeres* and the cyclopoid *Corycaeus anglicus*. Other food items that occurred in >20% of stomachs, albeit in small numbers, were larvaceans, cladocerans, ostracods, amphipods and shrimp. Of fifty-seven 1+ herring stomachs, 19 contained more than a trace of food with contents less than completely digested (Table 104 and 105). Copepods, euphausiid adults, amphipods, euphausiid larvae, crab larvae, larvaceans and ostracods were the major food items, occurring in 10-55% of stomachs. Cladocerans, shrimp and barnacle larvae occurred infrequently and in small numbers. The most frequently ingested copepods were the calanoids *Acartia longiremis*, *Paracalanus parvus*, *Centropages abdominales* and *Pseudocalanus* sp., and the cyclopoid *Corycaeus anglicus*. Other infrequently occurring copepods were the calanoids *Calanus marshallae*, *Calanus pacificus*, *Epilabidocera longipedata*, *Eucalanus bungii*, *Metridia pacifica* and *Scolecithrecalla minor*, and the cyclopoid *Oithona* sp.

September - October

There were 62 herring stomachs from September 1996 examined (Table 89). Of thirty-five 0+ herring stomachs, 21 contained more than a trace of food with contents less than completely digested (Table 106 and 107). Barnacle larvae and calanoid copepods were the major prey item. Of twenty-seven 1+ herring stomachs, 13 contained more than a trace of food with contents less than completely digested (Table 108 and 109). They contained mostly copepods, euphausiid larvae and adults, and amphipods. All the copepods were calanoids and two species were identified, *Chiridius gracilis* and *Metridia pacifica*.

There were 122 herring stomachs from September 2000 examined (Table 96). Of seventy-three 0+ herring stomachs, 44 contained more than a trace of food with contents less than completely digested (Table 110 and 111). Copepods, barnacle larvae, larvaceans, and euphausiid adults were the most common food items. Calanoid copepods were seven times as abundant as cyclopoid copepods. The most frequently ingested copepods were the calanoids *Paracalanus parvus* and *Calanus pacificus* and the cyclopoid *Corycaeus anglicus*. *Pseudocalanus* sp., *Metridia pacifica*, *Calanus marshallae*, and *Tortanus discaudatus* occurred less frequently. The calanoids *Candacia columbiae*, *Euchaeta japonica*, *Centropages abdominales*, and the cyclopoid *Oithona* sp. occurred infrequently. Turbellarians, polychaetes, gastropods, pelecypods, cladocerans, shrimp, crab larvae, amphipods, euphausiid larvae, chaetognaths and eggs also occurred infrequently and in low numbers. Of thirty-seven 1+ herring stomachs, 17 contained more than a trace of food with contents less than completely digested (Table 112 and 113). Adult euphausiids were the most common food item. Fish from transect 25 (Thrasher Rock) differed from the rest with stomachs containing a high incidence of the calanoid copepods *Calanus marshallae* and *Calanus pacificus* and polychaetes. Other food items occurring infrequently were turbellarians, shrimp, crab larvae, barnacle larvae, amphipods, larvaceans, eggs, and the copepods *Eucalanus bungii*, *Metridia pacifica* and *Corycaeus anglicus*. Of twelve 2+ herring stomachs, 5 contained more than a trace of food with contents less than completely digested (Table 114). Adult euphausiids were the major food item, except on transect 5 (French Creek), where crab larvae were the major food item.

There were 237 herring stomachs from September 2001 examined (Table 101). Of one hundred and sixty-one 0+ herring stomachs, 94 contained more than a trace of food with contents less than completely digested (Tables 115-118). Overall, copepods, larvaceans, barnacle larvae, euphausiid adults, and ostracods were the most common food items, occurring in 30-50% of stomachs. Calanoid copepods were ten times as abundant as cyclopoid copepods. The most frequently ingested copepods were the calanoids *Paracalanus parvus* and *Metridia pacifica* and the cyclopoid *Corycaeus anglicus*. The calanoids *Pseudocalanus* sp., *Acartia longiremis*, *Candacia columbiae*, *Centropages abdominales*, *Tortanus discaudatus*, *Aetidius pacificus*, *Calanus marshallae*, *Calanus pacificus*, and *Eucalanus bungii* occurred infrequently. Cladocerans, turbellarians, gastropods, amphipods, crab larvae, chaetognaths and shrimp also occurred infrequently and in low numbers. Of seventy-six 1+ herring stomachs, 41 contained more than a trace

of food with contents less than completely digested (Table 119 and 120). Adult euphausiids were the most common food item, occurring in 75% of stomachs. Other food items occurring frequently or in large numbers were amphipods, larvaceans and calanoid copepods. The most frequently occurring copepods were *Metridia pacifica*, *Epilabidocera longipedata* and *Calanus pacificus*. Other infrequently occurring copepods were *Eucalanus bungii*, *Calanus marshallae*, *Candacia columbiae* and *Paracalanus parvus*. Food items occurring in <10% of stomachs were turbellarians, gastropods, cladocerans, ostracods, shrimp, crab larvae, barnacle larvae and larvaceans.

There were 135 herring stomachs from September 2002 examined (Table 121). Of eighty-nine 0+ herring stomachs, 45 contained more than a trace of food with contents less than completely digested (Table 122 and 123). Turbellarians were present in stomachs in all regions but these may have been parasitic, rather than free-swimming, flatworms since no turbellarians were obtained in the plankton. Copepods occurred as food items in all regions. The harpacticoid *Corycaeus anglicus* and the calanoids *Pseudocalanus* sp., *Paracalanus parvus* and *Metridia pacifica* occurred most frequently. Barnacle larvae, amphipods, euphausiid adults, eggs, cladocerans, larvaceans, and gastropods were also common food items. Cladocerans occurred in the plankton and 0+ herring stomachs only in Henry Bay (Transect 4). Of forty-six 1+ herring stomachs, 17 contained more than a trace of food with contents less than completely digested (Table 124 and 125). Again, turbellarians, that were suspected parasitic flatworms, were encountered. Copepods were food items in 70% of stomachs and the harpacticoid *Corycaeus anglicus* and the calanoid *Pseudocalanus* sp. were most common. Euphausiid adults occurred in 94% of stomachs of the mainland shore samples but in none of the Vancouver Island shore samples. Barnacle larvae occurred in 80% of the Vancouver Island shore samples but in none of the mainland shore samples.

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FIGURES

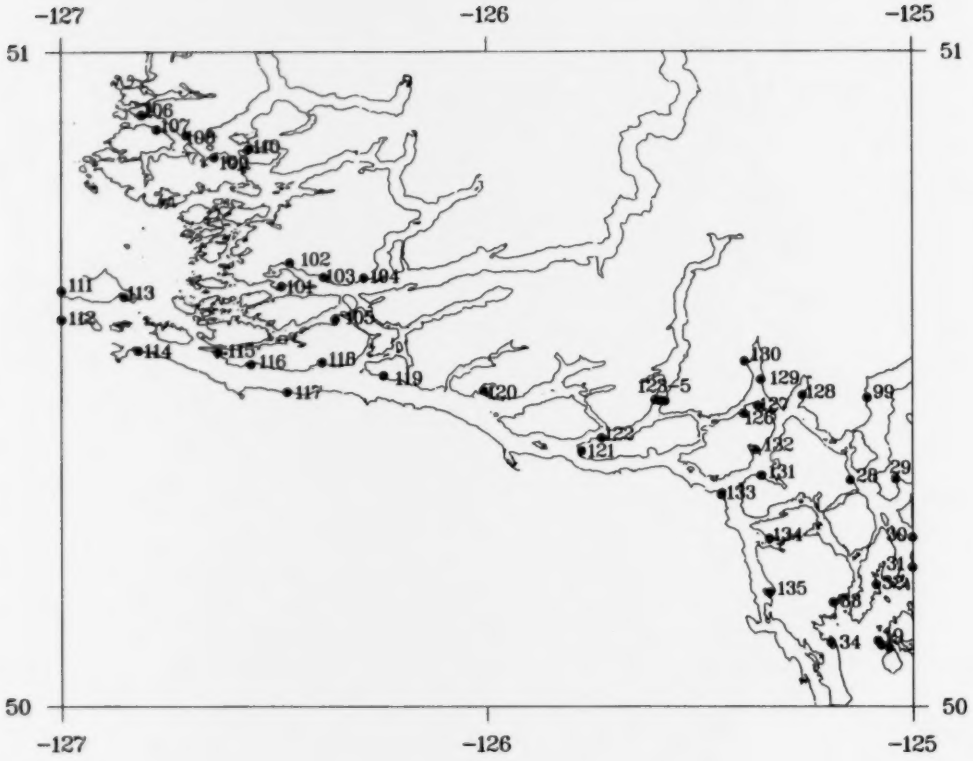

Figure 1. Sampling stations (dots) in Johnstone Strait. Numbers refer to transects.

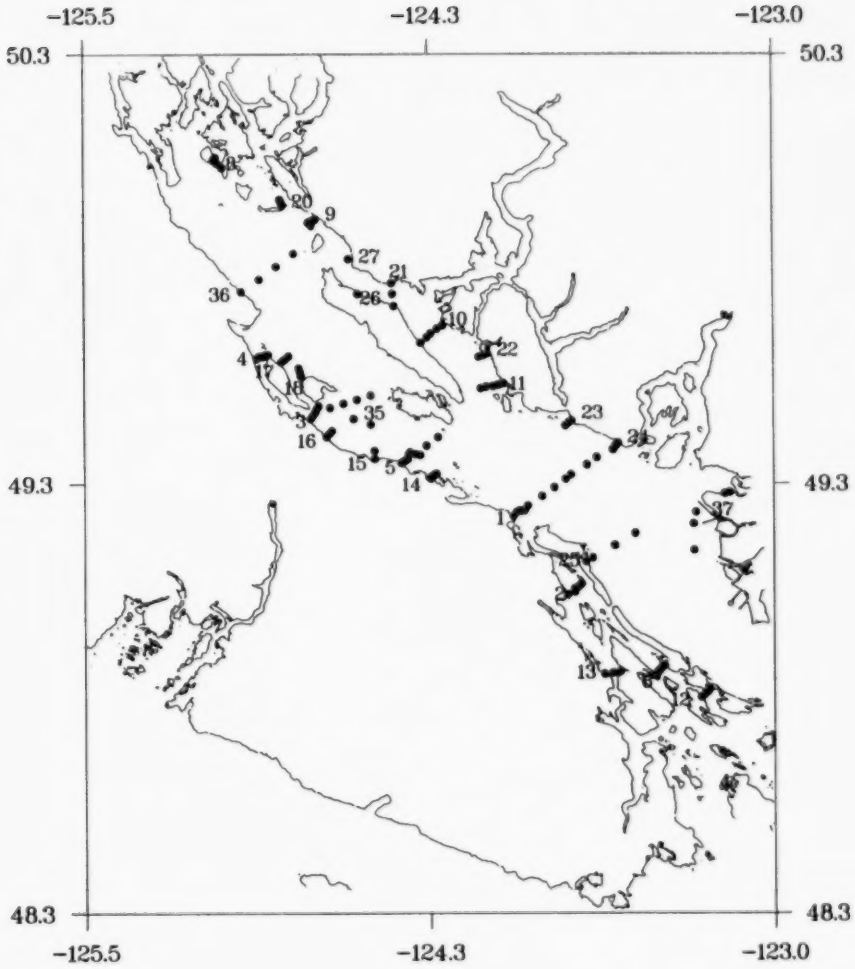

Figure 2. Sampling stations (dots) in the Strait of Georgia. Numbers refer to transects.

TABLES

Table 1. Upper Johnstone Strait station co-ordinates.

Transect	Stn	° Lat. W	' Lat. W	° Long. W	' Long. W
106-Codrington Point	1	50	54.256	126	48.670
107-Cartwright Bay	1	50	52.932	126	46.540
108-Boyer Bay	1	50	52.374	126	42.402
110-Shawl Bay	1	50	51.120	126	33.589
109-Harry Bay	1	50	50.391	126	38.472
102-Maple Cove	1	50	40.714	126	27.852
103-Gilford Bay	1	50	39.410	126	23.068
104-Doctor Islets	1	50	39.336	126	17.350
101-Tribune Point	1	50	38.582	126	28.590
105-Bones Bay	1	50	35.511	126	21.399
111-Sointula Bay	1	50	38.185	127	2.112
113-Mitchell Bay	1	50	37.648	126	51.097
112-Port McNeill	1	50	35.531	127	4.097
114-Bauza Cove	1	50	32.632	126	49.141
115-Growler Cove	1	50	32.522	126	37.962
116-Boat Bay	1	50	31.363	126	33.323
118-Forward Bay	1	50	31.536	126	23.826
117-Naka Creek	1	50	28.852	126	28.222
119-Stimpson Reef	1	50	30.381	126	14.581
120-Blenkinsop Bay	1	50	28.982	126	0.400

Table 2. Lower Johnstone Strait station co-ordinates.

Transect	Stn	° Lat. N	' Lat. N	° Long. W	' Long. W
121-Vere Cove	1	50	23.457	125	46.610
122-Shorter Point	1	50	24.634	125	43.812
123-Loughborough In.-E	1	50	28.032	125	34.871
125-Loughborough In-Mid	1	50	28.080	125	35.595
124-Loughborough In.-W	1	50	28.131	125	36.256
130-Fanny Bay	1	50	31.680	125	23.684
129-Richard Point	1	50	29.981	125	21.382
128-Frederick Arm	1	50	28.588	125	15.514
127-Shoal Bay	1	50	27.620	125	21.787
126-Bickley Bay	1	50	26.871	125	23.809
132-Hemming Bay	1	50	23.605	125	22.160
131-Young Passage	1	50	21.247	125	21.311
133-Otter Cove	1	50	19.514	125	26.969
99-Bute Inlet	2	50	28.322	125	6.410
28-Stuart Island	1	50	20.802	125	8.815
29-Francis Bay	1	50	20.929	125	2.422
134-Kanish Bay	1	50	15.501	125	20.215
135-Deepwater Bay	1	50	10.491	125	20.145
30-Redonda Bay	1	50	15.602	124	58.164
31-Cortez Island	1	50	12.824	124	59.888
32-Evans Bay	1	50	11.242	125	5.274
33-Village Bay	1	50	9.596	125	11.234
34-Drew Harbour	1	50	5.946	125	11.574
19-Marina Island	1	50	5.358	125	3.346
	2	50	5.649	125	4.500
	3	50	6.060	125	4.980

Table 3. Mainland coast of the upper Georgia Strait station co-ordinates.

Transect	Stn	° Lat. N	' Lat. N	° Long. W	' Long. W
8-Smelt Bay	1	50	2.150	125	0.001
	2	50	2.736	125	0.954
	3	50	3.248	125	1.802
	4	50	2.160	125	0.000
20-Savary Island	1	49	56.905	124	46.807
	2	49	57.300	124	46.980
	3	49	57.693	124	47.355
9-Atrevida Reef	1	49	54.985	124	39.562
	2	49	54.721	124	40.401
	3	49	54.499	124	41.150
	4	49	54.060	124	40.500
	5	49	54.780	124	40.080
27-Westview	1	49	49.461	124	31.829
26-Spratt Bay	1	49	44.608	124	30.483
21-Texada Island	1	49	42.896	124	22.481
	2	49	44.598	124	22.778
	3	49	46.091	124	22.987
10-Cape Cockburn	1	49	40.172	124	11.884
	2	49	39.720	124	13.080
	3	49	39.049	124	14.499
	4	49	38.520	124	15.300
	5	49	37.780	124	16.685
22-Bargain Bay	1	49	36.223	124	2.142
	2	49	36.000	124	3.019
	3	49	35.799	124	4.028
11-Secret Cove	1	49	32.099	123	58.600
	2	49	31.899	123	59.700
	3	49	31.700	124	0.850
	4	49	31.620	124	2.400
	5	49	31.380	124	3.600
23-Trail Bay	1	49	26.880	123	43.860
	2	49	26.520	123	44.580
	3	49	26.160	123	45.180
24-Gower Point	1	49	23.729	123	33.819
	2	49	23.300	123	34.300
	3	49	22.750	123	34.849
	4	49	21.631	123	38.371
	5	49	20.638	123	40.589
	6	49	19.232	123	44.028

Table 3 cont'd

Transect	Stn	° Lat. N	' Lat. N	° Long. W	' Long. W
37-Fraser River	1	49	12.371	123	17.557
	2	49	14.005	123	17.025
	3	49	16.774	123	9.688
	4	49	16.963	123	10.726
	5	49	8.692	123	17.445

Table 4. Vancouver Island coast of the upper Georgia Strait station co-ordinates.

Transect	Stn	° Lat. N	' Lat. N	° Long. W	' Long. W
36-Cape Lazo	1	49	44.896	124	55.838
	2	49	46.541	124	51.904
	3	49	48.355	124	48.199
	4	49	50.148	124	44.427
4-Henry Bay	1	49	35.600	124	52.499
	2	49	36.060	124	50.700
	3	49	35.900	124	51.200
	4	49	35.880	124	51.960
	5	49	36.119	124	49.999
17-Komas Bluff	1	49	35.100	124	47.160
	2	49	35.460	124	46.380
	3	49	35.880	124	45.600
18-Hornby Island	1	49	33.120	124	42.840
	2	49	33.720	124	43.080
	3	49	34.260	124	43.380
3-Bowser	1	49	27.100	124	40.800
	2	49	27.550	124	40.349
	3	49	28.000	124	39.799
	4	49	28.560	124	39.420
	5	49	28.920	124	39.060
	6	49	28.679	124	36.538
	7	49	29.280	124	33.600
	8	49	29.823	124	30.636
	9	49	30.412	124	27.686
16-Qualicum Bay	1	49	24.599	124	37.350
	2	49	25.020	124	36.720
	3	49	25.440	124	36.120
35-Qualicum-offshore	1	49	27.125	124	31.388
	2	49	26.325	124	27.638
15-Qualicum Beach	1	49	21.500	124	26.850
	2	49	22.020	124	26.865
	3	49	22.620	124	26.880
5-French Creek	1	49	20.900	124	20.999
	2	49	21.199	124	20.300
	3	49	21.450	124	19.600
	4	49	22.080	124	19.380
	5	49	22.380	124	19.020
	6	49	22.163	124	17.890
	7	49	23.357	124	15.423
	8	49	24.569	124	12.978

Table 4 cont'd

Transect	Stn	° Lat. N	' Lat. N	° Long. W	' Long. W
14-Mistaken Island	1	49	19.393	124	13.291
	2	49	19.200	124	13.860
	3	49	18.899	124	14.600
1-Clarke Rock	1	49	13.414	123	56.597
	2	49	14.000	123	55.900
	3	49	14.199	123	55.300
	4	49	14.220	123	54.720
	5	49	14.280	123	54.120
	6	49	14.931	123	53.394
	7	49	16.285	123	50.361
	8	49	17.465	123	47.723
	9	49	18.631	123	45.195

Table 5. Lower Strait of Georgia station co-ordinates.

Transect	Stn	° Lat. N	' Lat. N	° Long. W	' Long. W
25-Thrasher Rock	1	49	7.133	123	40.831
	2	49	7.632	123	39.409
	3	49	9.360	123	34.534
	4	49	11.042	123	30.174
2-Yellow Point	1	49	2.546	123	44.821
	2	49	2.880	123	43.320
	3	49	3.348	123	43.340
	4	49	3.600	123	42.480
	5	49	3.950	123	41.900
13-Crofton	1	48	51.413	123	36.922
	2	48	51.619	123	35.058
	3	48	51.807	123	33.522
6-Trincomali Channel	1	48	51.295	123	25.820
	2	48	51.720	123	25.380
	3	48	52.000	123	25.000
	4	48	52.380	123	24.420
	5	48	52.999	123	24.399
12-Plumber Sound	1	48	48.179	123	15.980
	2	48	48.600	123	15.149
	3	48	48.994	123	14.482

Table 6. Categories (usually species) of organisms in seine sets. Fish and invertebrates are arranged by order and the code is used in the catch tables.

CODE	Scientific name and description
	Petromyzoniformes
LAMP	lamprey - *Lampetra* sp. of any size
	Squaliformes
DOGF	Spiny dogfish – *Squalus acanthias* of any size
	Rajiformes
SKAT	skate – *Raja* sp. of any size
	Chimaeriformes
RATF	ratfish – *Hydrolagus colliei* of any size
	Clupeiformes
HER0	0+ herring – *Clupea pallasi* in year of birth
HER1	1+ herring – *Clupea pallasi* in year after birth
HER2	2+ herring – *Clupea pallasi* older than 1+ herring
SARD	Pacific sardine – *Sardinops sagax* in 2nd or later year of life
ANCH	northern anchovy – *Engraulis mordax* in 2nd or later year of life
	Salmoniformes
CHIN	chinook salmon juvenile – *Onchorhynchus tshawytscha* in 1st ocean year
TSHA	chinook salmon adult – *Onchorhynchus tshawytscha* in 2nd or later ocean year
CHUM	chum salmon juvenile – *Onchorhynchus keta* in 1st ocean year
KETA	chum salmon adult – *Onchorhynchus keta* in 2nd or later ocean year
COHO	coho salmon juvenile – *Onchorhynchus kisutch* in 1st ocean year
KISU	coho salmon adult – *Onchorhynchus kisutch* in 2nd or later ocean year
PINK	pink salmon juvenile – *Onchorhynchus gorbuscha* in 1st ocean year
GORB	pink salmon adult – *Onchorhynchus gorbuscha* in 2nd or later ocean year
SOCK	sockeye salmon juvenile – *Onchorhynchus nerka* in 1st ocean year
NERK	sockeye salmon adult – *Onchorhynchus nerka* in 2nd or later ocean year
TROU	trout – *Salmo gairdneri* or *S. clarki* of any size
SMEJ	smelt juvenile – Osmeridea in year of birth
SMEA	smelt adult – mostly *Mollotus villosus* and *Hypomesus pretiosus* in 2nd or later year of life
	Batrachoidiformes
MIDS	midshipman – *Porychthys notatus* of any size

Table 6 cont'd

CODE	Scientific name and description
	Gadiformes
HAKJ	Pacific hake juvenile – *Merluccius productus* in year of birth
HAKE	Pacific hake adult – *Merluccius productus* in 2nd or later year of life
POLJ	pollock juvenile – *Theragra chalcogramma* in year of birth
POLL	pollock adult – *Theragra chalcogramma* in 2nd or later year of life
TOMC	Pacific tomcod juvenile – *Microgadusproximus* in year of birth
EELP	eelpout – *Bothrrocara molle* of any size
PRIC	snake prickleback – *Lumpenus sagitta* of any size
GUNN	gunnel – *Apodichthys flavidus* of any size
WOLF	wolf-eel juvenile – *Anarrhichthys acellatus* in year of birth
SANL	sandlance – *Ammodytes hexapterus* of any size
GOBY	goby – *Coryphopterus nicholsi* of any size
ROCK	rockfish juvenile – *Sebastes* sp. in year of birth
SEBA	rockfish adult – *Sebastes* sp. in 2nd or later year of life
SABL	sablefish juvenile – *Anoplopoma fimbria* in year of birth
GREE	greenling – *Hexogrammus* sp. of any size
LINJ	lingcod juvenile – *Ophiodon elongatus* in year of birth
LING	lingcod adult – *Ophiodon elongatus* in 2nd or later year of life
MACK	chub mackerel – *Scomber japonicus* of any size
SCUL	sculpin – *Leptocottus armatus* etc. of any size
POAC	poacher – *Agonus acipenserinus* of any size
SNAI	snailfish – species unknown of any size
	Pleuronectiformes
SOLE	flatfish – *Parophyrus vetulus*, *Lepidopsetta bilineata*, *Platichthysstellatus*, *Citharchthys stigmaens*, etc. of any size
	Cephalopoda
SQUI	squid – *Loligo opalescens*, *Gonatus fabricii* of any size
	Decapoda
SHRI	shrimp of any size
	Arthropoda
EUPH	Euphausiids, probably *Euphausia pacifica* of any size

Table 7. Catch (n) in Johnstone Strait in September 1998.

TRAN	STN	HERO	HER1	HER2	CHIN	CHUM	COHO	PINK	SOCK
106	1	17	11	0	35	115	0	126	3
107	1	271	45	0	0	19	0	40	0
108	1	73	40	5	6	1	0	0	0
110	1	2084	1527	29	26	0	0	2	0
109	1	396	300	23	13	0	1	0	2
102	1	287	98	5	3	0	0	0	0
103	1	684	332	0	4	0	0	0	0
104	1	895	639	0	12	0	0	0	0
101	1	547	5	0	3	0	0	4	1
105	1	106	21	0	13	1	4	0	1
111	1	2	1	0	0	0	0	0	0
113	1	186	11	0	7	11	0	7	0
112	1	23	0	0	0	0	0	0	0
114	1	4823	192	0	4	4	1	2	0
115	1	4	1	0	4	69	7	47	0
116	1	81	1	0	0	1	0	0	0
118	1	17	0	0	1	34	9	4	0
117	1	74	4	0	1	34	12	3	0
119	1	2216	0	0	8	23	0	51	0
120	1	1354	0	0	0	1	0	3	0
121	1	10499	20	58	2	0	0	0	0
122	1	23746	437	0	5	0	0	1	0
123	1	273	187	2	2	1	0	1	0
125	1	53	1	0	1	0	0	3	0
124	1	12159	147	6	6	27	0	3	0
130	1	5059	24	0	4	0	0	0	0
129	1	14178	264	2	7	0	0	0	0
128	1	19062	3	0	2	0	0	0	0
127	1	22679	61	0	18	5	5	40	0
126	1	6343	1	0	32	1	0	0	0
132	1	6879	3	0	7	20	1	9	0
131	1	15905	0	0	0	0	0	0	0
133	1	10113	0	0	1	0	0	0	0
28	1	1214844	0	0	0	0	0	0	0
29	1	1093	2	0	4	0	0	0	0
134	1	725	144	0	10	0	1	2	0
135	1	5793	11	0	35	190	15	144	0
30	1	1826	0	0	2	0	0	0	1
31	1	340	3	0	7	9	0	5	0
32	1	3205	1	0	9	0	0	0	0
33	1	31	0	0	2	0	0	0	0
34	1	9	0	0	0	0	1	0	0
19	1	326	0	0	1	0	0	0	0
19	2	8050	10	0	0	0	0	0	0

Table 7 cont'd

TRAN	STN	DOGF	ANCH	KISU	SMEJ	SMEA	HAKJ	HAKE	POLJ
106	1	0	0	0	0	0	0	0	0
107	1	0	2	0	0	0	0	0	0
108	1	1	2	2	0	0	0	0	0
110	1	0	0	0	0	1	0	0	0
109	1	0	292	0	0	0	0	0	0
102	1	0	0	0	0	0	0	0	0
103	1	0	0	0	0	4	0	0	50
104	1	0	0	0	0	9	0	0	50
101	1	0	0	0	0	20	0	0	0
105	1	3	0	0	0	0	0	0	0
111	1	0	0	0	0	0	0	0	0
113	1	28	1	1	0	1	0	0	0
112	1	0	0	0	0	0	0	0	1
114	1	0	1	0	0	0	0	0	0
115	1	0	0	0	0	0	0	0	0
116	1	0	0	0	0	0	0	0	0
118	1	0	0	0	0	2	0	0	0
117	1	0	0	0	0	0	0	0	0
119	1	0	0	0	0	4500	0	0	0
120	1	0	0	0	0	0	0	0	0
121	1	0	0	0	0	2	0	0	0
122	1	0	0	0	0	0	0	0	0
123	1	1	0	0	0	30	0	0	0
125	1	0	0	0	0	4	0	0	0
124	1	14	0	0	5584	0	0	0	0
130	1	3	92	0	0	4	0	0	0
129	1	0	0	0	0	2	0	0	0
128	1	0	0	0	39	0	0	0	0
127	1	0	0	0	0	0	0	0	1
126	1	0	0	0	0	0	0	0	0
132	1	0	0	0	0	0	0	0	0
131	1	0	0	0	12574	0	0	0	0
133	1	0	0	0	0	0	0	0	0
28	1	0	0	0	0	0	0	0	0
29	1	0	7	0	0	0	0	0	0
134	1	0	0	0	0	40	0	0	0
135	1	0	0	0	0	0	0	0	0
30	1	0	0	0	0	0	1	1	0
31	1	50	0	0	0	0	0	0	0
32	1	0	0	0	0	0	0	0	0
33	1	0	21	0	0	0	0	0	0
34	1	1	0	0	0	0	0	0	0
19	1	0	0	0	0	0	0	0	0
19	2	0	0	0	0	0	0	0	1

Table 7 cont'd

TRAN	STN	STIC	SHIN	PRIC	GUNN	SAND	ROCK	SEBA	SCUL	SQUI
106	1	1	0	0	0	1	2	0	0	0
107	1	0	1	0	0	0	0	0	0	0
108	1	5	0	0	0	0	1	0	0	0
110	1	0	1	0	0	0	0	0	0	12
109	1	0	0	0	0	3	0	0	0	1
102	1	0	0	0	0	0	0	0	0	0
103	1	0	0	0	0	2	0	0	0	0
104	1	4	0	0	1	7	0	0	0	0
101	1	0	0	0	0	2	0	0	0	0
105	1	40	0	0	0	0	0	0	0	0
111	1	0	0	1	0	0	0	0	0	0
113	1	0	0	0	0	0	0	0	0	0
112	1	0	0	0	0	0	0	0	0	22
114	1	0	0	0	0	0	0	0	0	0
115	1	0	0	0	0	0	0	0	0	0
116	1	0	11	0	0	0	0	0	0	0
118	1	0	0	0	0	0	0	0	0	0
117	1	0	0	0	0	0	0	0	0	0
119	1	0	0	0	0	0	0	0	0	0
120	1	0	0	0	0	0	0	0	0	0
121	1	0	0	0	0	0	0	0	0	0
122	1	0	0	0	0	0	0	0	0	1
123	1	0	0	0	0	1	0	0	0	0
125	1	0	0	0	0	0	0	0	0	0
124	1	1	9	0	0	0	0	0	0	0
130	1	0	0	0	0	30	0	0	0	0
129	1	0	0	0	0	0	0	0	0	8
128	1	0	0	0	0	0	0	0	0	0
127	1	0	0	0	0	8	0	0	0	3
126	1	0	0	0	0	4	0	0	1	1
132	1	0	0	0	0	0	0	0	0	0
131	1	0	0	0	0	0	0	0	0	0
133	1	0	0	0	0	0	0	0	0	0
28	1	0	0	0	0	0	0	0	0	0
29	1	0	0	0	0	0	0	0	0	0
134	1	0	0	0	0	4	0	0	0	0
135	1	0	0	0	0	1	0	2	0	400
30	1	0	0	0	0	0	0	0	0	19
31	1	4	0	0	0	3	0	0	0	1
32	1	0	0	0	0	0	0	0	0	17
33	1	0	0	0	0	0	0	0	0	0
34	1	0	3	0	0	4	0	0	0	41
19	1	0	0	0	0	0	0	0	0	0
19	2	0	0	0	0	0	0	0	0	1

Table 8. Catch (n) in Johnstone Strait in September 1999.

TRAN	STN	HERO	HER1	HER2	CHIN	CHUM	COHO	PINK	DOGF
106	1	3128	85	1	1	40	2	24	0
107	1	7447	10	0	5	10	0	0	100
108	1	4748	122	8	0	4	0	2	0
109	1	13414	203	0	2	6	0	0	0
102	1	748	34	2	1	1	0	1	0
103	1	1200	892	23	2	0	0	0	0
104	1	70	25	0	1	1	0	0	0
101	1	913	17	0	2	2	4	10	0
114	1	25	0	0	10	8	0	26	0
115	1	1942	1	0	0	381	0	2456	0
116	1	1459	4	0	7	463	0	324	0
118	1	2212	5	0	2	49	0	86	0
117	1	111963	0	0	0	2818	0	2696	0
119	1	5696	150	0	0	108	0	867	0
120	1	2	0	0	9	0	0	3	0
121	1	12176	10	0	21	101	0	12	0
122	1	275	1	0	0	0	0	0	0
123	1	275	52	0	0	0	0	0	0
125	1	5	1	0	0	0	0	0	1
124	1	1	0	0	0	0	0	0	2
129	1	5508	24	0	18	0	0	3	0
128	1	2260	0	0	11	0	0	0	0
127	1	16801	1133	44	41	0	0	0	0
126	1	39678	396	0	6	0	8	24	0
132	1	8118	30	0	7	0	0	0	0
131	1	5128	1	0	0	1	0	0	0
134	1	6024	53	0	13	5	1	0	0
135	1	1046	7	1	24	23	0	1	0

Table 8 cont'd

TRAN	STN	ANCH	GORB	SMEJ	POLJ	POLL	STIC	TUBE	PIPE
106	1	0	0	1341	0	0	0	0	0
107	1	0	0	469	0	15	0	5	0
108	1	0	0	0	0	0	0	0	0
109	1	0	0	0	0	0	0	0	0
102	1	0	0	0	0	0	0	0	0
103	1	2	0	0	0	0	0	0	0
104	1	0	0	1790	9	0	0	0	0
101	1	0	0	24	0	0	0	28	0
114	1	0	0	0	0	0	0	0	0
115	1	0	0	0	0	0	0	0	0
116	1	0	0	2022	0	0	0	0	0
118	1	0	0	16	0	0	0	1	0
117	1	0	0	10542	0	0	0	0	0
119	1	0	0	249732	0	0	0	0	0
120	1	0	0	0	30	0	0	0	0
121	1	0	0	117	0	0	2	0	0
122	1	0	1	0	0	0	0	0	0
123	1	0	0	12	0	0	0	0	0
125	1	0	0	0	0	0	0	0	0
124	1	0	0	0	0	0	0	0	0
129	1	0	0	10	0	0	16	0	0
128	1	0	0	40	0	0	35	0	0
127	1	2	0	6	0	0	0	0	0
126	1	0	0	0	0	0	0	0	0
132	1	0	0	10	0	0	0	0	0
131	1	0	0	1549	0	0	0	0	0
134	1	0	0	0	0	0	0	0	1
135	1	0	0	0	0	0	1	0	0

Table 8 cont'd

TRAN	STN	SHIN	SANL	SCUL	SQUI	SHRI
106	1	2	0	0	0	0
107	1	0	0	0	0	0
108	1	6	0	0	0	0
109	1	2	0	0	0	0
102	1	2	0	0	0	6
103	1	1	0	0	0	1
104	1	0	1	0	0	2
101	1	1	0	0	0	0
114	1	0	0	0	0	0
115	1	0	0	0	0	0
116	1	0	0	0	0	0
118	1	0	0	0	0	0
117	1	0	0	0	0	0
119	1	0	0	0	0	0
120	1	0	0	0	0	0
121	1	0	0	0	2	0
122	1	0	0	0	0	0
123	1	0	0	0	0	0
125	1	0	0	0	0	0
124	1	0	0	0	0	0
129	1	0	6	0	0	0
128	1	0	0	0	0	0
127	1	0	2	0	0	0
126	1	0	4	0	4	0
132	1	0	0	0	1	0
131	1	0	2	0	0	0
134	1	0	0	0	3	0
135	1	0	0	1	0	0

Table 9. Catch (n) in the Strait of Georgia in June 1996.

TRAN	STN	HERO	HER1	HER2	CHIN	CHUM	COHO	PINK	SOCK
8	1	4	22	0	3	89	1	159	2
8	2	52	79	0	1	64	0	76	9
8	3	15	24	0	3	45	5	75	2
8	4	16	208	0	0	2	2	10	1
9	1	24690	50	0	24	152	67	3	0
9	2	5	232	0	3	23	9	2	0
9	3	110	23	0	4	12	13	5	2
9	4	124	62	0	5	14	3	15	15
9	5	67	26	1	1	7	1	9	4
10	1	0	2	0	0	1	4	0	6
10	2	0	1	3	0	1	7	1	33
10	3	0	0	0	2	2	1	1	5
10	4	0	0	0	0	1	2	1	11
10	5	16	3	0	0	3	15	4	3
11	1	0	9	0	8	1	17	0	7
11	2	0	177	0	0	2	7	2	2
11	3	0	1728	0	0	0	0	0	0
11	4	0	3419	0	1	4	0	0	0
11	5	0	1	0	0	0	5	0	1
4	1	0	4692	0	110	187	77	121	0
4	2	96	11993	0	24	24	40	16	0
4	3	19800	7360	0	54	6	36	0	0
4	4	15610	8391	0	7	0	28	0	0
4	5	4840	15260	0	0	0	22	0	0
3	1	0	14456	0	0	0	0	0	0
3	2	0	11	2	0	2	1	44	4
3	3	0	42	19	2	22	1	105	7
3	4	0	34	25	6	21	0	63	31
3	5	0	41	0	0	37	2	248	18
5	1	0	14665	0	0	0	0	0	0
5	2	7995	15	0	3	23	4	101	11
5	3	14538	30	0	1	20	0	97	5
5	4	198	1	0	2	30	2	243	3
5	5	16	0	0	2	24	8	65	0
1	1	69018	4711	0	90	6	18	0	0
1	2	9365	651	1	3	0	3	0	0
1	3	0	5111	0	0	0	0	0	0
1	4	0	102	0	4	0	2	1	0
1	5	0	0	1	0	3	0	1	4
2	1	56	123	0	7	2	9	2	0
2	2	0	306	0	1	1	3	0	0
2	3	0	421	2	0	0	0	0	0
2	4	0	773	0	0	0	1	1	0
2	5	0	2687	0	0	1	1	1	1
6	1	0	282	0	0	0	0	0	0
6	2	0	599	0	0	0	0	0	0
6	3	0	76	0	3	0	0	24	1
6	4	0	435	0	0	0	1	6	0
6	5	0	250	0	4	8	3	38	6

Table 9 cont'd

TRAN	STN	LAMP	DOGF	ANCH	TSHA	TROU	MIDS	HAKJ	POLJ
8	1	0	0	0	0	0	0	0	0
8	2	0	0	0	0	0	0	0	0
8	3	0	0	0	0	0	0	0	0
8	4	1	0	0	0	0	0	0	0
9	1	0	1	6	0	1	6	0	0
9	2	0	0	1	0	0	0	0	0
9	3	0	0	0	0	0	0	0	0
9	4	2	0	3	0	0	0	0	0
9	5	3	0	0	0	0	1	1	0
10	1	0	0	2	0	0	0	0	0
10	2	0	0	5	0	0	0	0	0
10	3	1	0	1	0	0	0	0	0
10	4	0	0	0	0	0	0	0	0
10	5	0	0	0	0	0	0	0	0
11	1	0	0	0	0	0	0	0	0
11	2	1	0	1	0	0	0	0	0
11	3	0	0	0	0	0	0	0	0
11	4	0	1	0	0	0	0	0	0
11	5	0	0	0	0	0	0	0	0
4	1	0	0	0	0	0	22	0	0
4	2	0	8	8	0	0	8	0	160
4	3	0	12	0	0	0	18	0	216
4	4	0	21	7	0	0	21	0	98
4	5	0	22	0	0	0	110	0	11
3	1	0	9	0	0	0	0	0	0
3	2	0	3	4	0	0	110	0	200
3	3	0	11	0	0	0	25	0	05
3	4	0	5	0	0	0	0	0	01
3	5	0	14	0	0	0	0	0	0
5	1	0	2	0	1	0	0	0	0
5	2	0	0	1	0	0	0	0	0
5	3	0	0	0	0	0	0	0	0
5	4	0	0	1	0	0	0	0	0
5	5	0	0	0	0	0	0	0	0
1	1	0	2	0	0	0	0	0	0
1	2	0	2	1	0	0	0	0	0
1	3	0	2	0	0	0	0	0	0
1	4	0	0	1	0	0	0	2	0
1	5	0	0	0	0	0	0	0	0
2	1	0	0	0	0	0	0	0	0
2	2	0	0	0	0	0	0	0	0
2	3	1	0	0	0	0	0	0	0
2	4	0	0	0	0	0	0	0	0
2	5	0	0	0	0	0	0	0	0
6	1	0	0	0	0	0	0	0	0
6	2	0	0	0	0	0	0	0	0
6	3	0	0	0	0	0	0	0	0
6	4	0	0	0	0	0	0	0	0
6	5	1	0	0	0	0	0	0	0

Table 9 cont'd

TRAN	STN	STIC	PIPE	SHIN	SANL	SCUL	SQUI
8	1	0	0	0	0	0	0
8	2	0	0	0	0	0	0
8	3	0	0	0	0	2	0
8	4	0	0	0	0	0	1
9	1	3	0	1	0	0	0
9	2	0	0	0	0	0	0
9	3	0	0	0	0	0	0
9	4	7	0	1	0	0	0
9	5	1	0	0	0	0	0
10	1	0	0	0	1	0	0
10	2	0	0	0	0	0	0
10	3	1	0	0	0	1	0
10	4	0	0	0	0	0	0
10	5	0	0	0	3	0	0
11	1	20	0	0	0	0	0
11	2	1	0	0	2	0	0
11	3	0	0	0	0	0	0
11	4	1	0	0	0	0	0
11	5	1	0	0	0	0	0
4	1	0	11	0	0	0	11
4	2	0	0	0	0	0	8
4	3	0	0	0	0	0	60
4	4	0	0	7	0	0	42
4	5	0	0	0	0	0	99
3	1	0	0	0	0	0	0
3	2	0	0	0	0	0	17
3	3	0	0	0	0	0	0
3	4	0	0	0	0	0	0
3	5	0	0	0	0	0	0
5	1	0	0	0	0	0	0
5	2	0	0	0	0	1	33
5	3	0	0	0	0	0	14
5	4	0	0	0	0	0	0
5	5	0	0	0	0	0	0
1	1	12	0	0	0	0	6
1	2	1	0	0	0	0	237
1	3	0	0	0	0	0	0
1	4	2	0	0	0	0	0
1	5	1	0	0	0	0	0
2	1	2	0	0	0	1	26
2	2	0	0	0	0	0	3
2	3	1	0	0	0	0	0
2	4	0	0	0	0	0	1
2	5	0	0	0	0	0	0
6	1	0	0	0	0	0	0
6	2	0	0	0	0	0	0
6	3	0	0	0	0	0	6
6	4	0	0	0	0	0	0
6	5	0	0	0	1	0	0

Table 10. Catch (n) on the mainland coast of the upper Strait of Georgia in June 1997.

TRAN	STN	HERO	HER1	HER2	CHIN	CHUM	COHO	PINK	SOCK
19[1]	1	10101	222	0	1	12	6	0	1
19[1]	2	2142	19	0	1	24	1	0	1
19[1]	3	196	10	0	2	102	0	0	2
8	1	0	281	0	0	8	9	0	0
8	2	0	162	35	0	14	17	0	0
8	4	0	21	22	0	43	17	0	0
20	1	3255	3	0	5	128	3	0	5
20	2	7535	6	0	2	22	4	0	2
20	3	3329	47	0	0	35	2	0	0
9	1	13100	678	0	0	8	2	0	0
9	2	7320	11	0	1	9	8	0	1
9	3	3306	86	0	0	2	4	0	0
21	1	33129	38	0	0	6	1	0	0
21	2	61	15	0	3	6	6	0	3
21	3	569	35	0	1	4	6	0	1
10	1	6980	11	1	0	7	18	0	0
10	3	129	5	0	0	8	0	1	0
10	5	25240	13	0	2	19	6	0	2
22	1	21608	208	0	0	2	18	0	0
22	2	9606	54	0	0	10	13	0	0
22	3	1213	45	0	1	2	2	0	1
11	1	7720	228	0	0	7	11	0	0
11	2	5581	36	0	0	3	10	0	0
11	3	7446	28	0	0	4	2	0	0
23	1	2169	177	0	0	0	2	0	0
23	2	35	24	0	1	1	1	0	1
23	3	0	0	0	0	0	0	0	0
24	1	135	132	0	0	2	12	0	0
24	2	246	98	0	0	0	0	0	0
24	3	104	81	0	0	1	2	0	0

[1] Transect 19 is usually grouped with the lower Johnstone Strait, but was included here.

Table 10 cont'd

TRAN	STN	LAMP	DOGF	ANCH	TROU	SMEJ	MIDS	HAKJ	HAKE
19[1]	1	0	0	0	0	2	230	1	0
19[1]	2	0	0	2	0	4	8	1	0
19[1]	3	0	0	1	0	15	7	3	0
8	1	0	0	0	0	7	250	0	0
8	2	0	0	0	0	2	0	0	0
8	4	0	0	0	0	4	0	0	0
20	1	0	0	0	0	2	20	0	0
20	2	1	0	0	0	0	0	0	0
20	3	0	0	0	0	3	0	1	0
9	1	0	0	0	0	4	999	4	0
9	2	1	0	0	0	1	1	3	0
9	3	0	0	0	0	0	1	3	0
21	1	0	2	2	0	0	0	4	0
21	2	1	0	0	0	4	0	4	0
21	3	0	1	0	0	4	1	0	0
10	1	0	2	12	0	5	0	0	0
10	3	0	0	19	0	3	0	0	1
10	5	0	0	0	0	1	11	0	4
22	1	0	0	4	0	26	2	0	0
22	2	0	0	5	0	8	2	2	0
22	3	1	0	3	0	1	0	11	0
11	1	0	0	9	0	29	0	3	0
11	2	0	0	18	0	9	0	6	0
11	3	0	0	5	0	1	0	43	0
23	1	1	0	10	1	18	42	8	0
23	2	4	0	28	0	3	0	1	0
23	3	0	0	0	0	0	0	0	0
24	1	4	0	1	1	12	0	0	0
24	2	0	0	0	0	8	0	0	14
24	3	3	0	4	0	2	0	11	0

[1] Transect 19 is usually grouped with the lower Johnstone Strait, but was included here.

Table 10 cont'd

TRAN	STN	POLJ	STICK	SHIN	PRIC	GUNN	SANL	ROCK	LINJ
19[1]	1	0	2	0	1	0	0	0	0
19[1]	2	0	0	0	0	0	0	0	0
19[1]	3	0	0	0	0	4	0	0	0
8	1	0	3	7	0	2	1	0	0
8	2	0	0	0	0	0	0	0	0
8	4	0	0	0	0	0	0	0	0
20	1	0	0	14	0	0	0	0	4
20	2	0	0	0	0	0	0	0	0
20	3	0	1	0	0	0	0	0	0
9	1	0	6	2	0	0	0	0	0
9	2	0	12	0	0	0	0	0	0
9	3	1	1	0	0	0	0	0	0
21	1	0	0	116	0	0	0	0	0
21	2	0	16	0	0	0	0	1	0
21	3	0	0	0	0	0	0	0	0
10	1	0	4	5	0	0	0	0	0
10	3	0	8	0	0	0	0	0	0
10	5	0	0	8	0	0	0	0	0
22	1	0	50	0	0	0	0	0	0
22	2	0	45	0	0	0	0	2	0
22	3	0	10	0	0	0	0	0	0
11	1	0	80	0	0	0	1	0	0
11	2	0	13	0	0	0	0	0	0
11	3	0	0	0	0	0	0	0	0
23	1	0	250	0	0	0	0	0	0
23	2	0	3	0	0	0	0	0	0
23	3	0	0	0	0	0	0	0	0
24	1	250	30	0	0	0	0	0	0
24	2	0	23	0	0	0	0	0	0
24	3	0	45	0	0	0	0	0	0

[1] Transect 19 is usually grouped with the lower Johnstone Strait, but was included here.

Table 10 cont'd

TRAN	STN	SCUL	POAC	SOLE	SQUI
19[1]	1	0	4	0	11
19[1]	2	0	0	0	1
19[1]	3	0	0	0	0
8	1	5	0	1	9
8	2	1	0	0	0
8	4	0	0	0	1
20	1	0	0	4	13
20	2	0	0	0	0
20	3	0	0	0	0
9	1	0	0	0	0
9	2	0	0	0	0
9	3	0	0	0	0
21	1	0	0	0	36
21	2	0	0	0	0
21	3	0	0	0	0
10	1	0	0	0	0
10	3	0	0	0	0
10	5	0	0	1	1
22	1	0	0	0	0
22	2	0	0	0	0
22	3	0	0	0	0
11	1	0	0	0	0
11	2	0	0	0	0
11	3	0	0	0	0
23	1	0	0	0	0
23	2	0	0	0	0
23	3	0	0	0	0
24	1	0	0	0	0
24	2	0	0	0	0
24	3	0	0	0	0

[1] Transect 19 is usually grouped with the lower Johnstone Strait, but was included here.

Table 11. Catch (n) on the Vancouver Is. shore of the Strait of Georgia in June 1997.

TRAN	STN	HERO	HER1	HER2	CHIN	CHUM	COHO	SOCK	LAMP
4	1	57	9	0	15	17	44	0	0
4	3	31537	364	0	24	0	12	0	0
4	5	588	15	0	14	19	46	2	0
17	1	21	3	0	2	6	4	0	0
17	2	19	2	0	0	5	0	0	0
17	3	59	5	0	1	4	2	1	0
18	1	197	3	0	20	18	28	2	0
18	2	103	3	0	3	5	12	1	0
18	3	78	5	0	3	10	3	0	0
3	1	68	0	1	1	25	18	0	0
3	2	248	17	0	19	61	5	2	0
3	3	154	0	1	1	22	3	5	0
16	1	5462	47	0	11	10	91	0	0
16	2	0	2980	0	0	0	0	0	0
16	3	103	8	0	0	4	5	0	0
15	1	7456	717	0	12	112	46	5	0
15	2	9705	752	0	0	252	14	20	0
15	3	10463	16	0	0	133	10	16	0
5	1	1002	10764	0	0	0	0	0	0
5	2	184	504	0	1	9	8	1	0
5	3	267	162	1	4	54	9	4	0
14	1	301	249	0	26	7	41	0	0
14	2	330	332	2	79	60	87	24	0
14	3	101	2614	0	0	13	48	8	0
1	1	5882	776	8	51	254	52	1	0
1	2	5102	238	18	21	13	14	2	0
1	3	3823	884	42	2	36	18	6	0
2	1	70918	365	0	17	0	12	0	1
2	3	7	532	0	3	9	1	0	0
2	5	111	376	0	20	0	12	2	0
13	1	47	5	0	1	13	0	0	0
13	2	0	81	0	0	32	2	4	0
13	3	24422	32	0	10	159	9	5	0
6	1	0	19	0	4	70	0	0	0
6	3	0	71	0	0	1	0	0	0
6	5	0	64	0	10	233	0	6	0
12	1	3	64	0	0	5	4	0	0
12	2	0	78	0	3	11	0	0	1
12	3	2	189	0	13	104	22	2	0

Table 11 cont'd

TRAN	STN	DOGF	ANCH	SMEJ	MIDS	HAKE	POLJ	POLL	EELP
4	1	0	0	0	14	0	36	0	0
4	3	3	0	0	9	0	0	0	0
4	5	1	0	0	110	0	0	0	0
17	1	1	0	0	3	0	42	0	1
17	2	0	0	0	1	0	250	0	0
17	3	9	0	0	0	0	12	0	0
18	1	2	0	0	2	0	100	18	0
18	2	0	0	0	0	0	200	0	0
18	3	3	0	0	0	0	400	0	0
3	1	1	0	0	1	0	20	0	0
3	2	4	0	0	3	0	0	0	0
3	3	1	0	0	0	0	7	0	0
16	1	0	0	0	2	0	0	0	0
16	2	4	0	0	0	0	0	0	0
16	3	1	0	0	3	0	0	0	0
15	1	6	0	0	100	0	0	0	0
15	2	0	0	0	0	0	3	0	0
15	3	1	0	0	2	0	0	0	0
5	1	0	0	0	12	0	0	0	0
5	2	4	0	0	0	0	0	0	0
5	3	0	0	0	0	0	0	0	0
14	1	4	0	0	1	0	0	0	0
14	2	2	1	0	5	0	0	0	0
14	3	12	0	0	4	0	0	0	0
1	1	7	0	0	1200	0	0	5	0
1	2	0	0	0	0	3	200	0	0
1	3	0	1	0	0	0	0	0	0
2	1	0	0	0	6	0	0	0	0
2	3	0	0	0	0	0	0	0	0
2	5	0	0	1	0	0	2	0	0
13	1	0	0	0	0	0	0	0	0
13	2	0	0	0	0	0	0	0	0
13	3	0	0	0	0	0	0	0	0
6	1	0	0	0	0	0	0	0	0
6	3	0	0	0	0	0	0	0	0
6	5	2	0	0	0	0	0	0	0
12	1	0	0	0	0	0	0	0	0
12	2	4	0	0	0	0	0	0	0
12	3	0	0	0	0	0	0	0	0

Table 11 cont'd

TRAN	STN	STIC	SHIN	PRIC	GUNN	SANL	LINJ	SCUL	SOLE
4	1	29	1	0	0	0	0	0	0
4	3	6	0	0	0	0	0	0	0
4	5	7	1	0	0	0	0	0	0
17	1	0	0	0	0	0	2	1	3
17	2	0	0	0	0	1	0	0	0
17	3	1	0	0	0	0	0	0	0
18	1	0	4	0	1	1	0	1	0
18	2	0	0	0	0	0	0	0	0
18	3	0	0	0	0	0	0	0	0
3	1	0	4	0	2	0	0	4	0
3	2	0	0	0	0	0	0	0	0
3	3	0	0	0	0	0	0	0	0
16	1	0	0	0	0	0	0	0	1
16	2	0	0	0	0	0	0	0	0
16	3	0	0	0	0	0	0	0	0
15	1	6	0	0	0	0	0	0	0
15	2	0	0	0	0	0	0	0	0
15	3	2	0	0	0	0	0	0	0
5	1	0	0	0	0	0	0	0	0
5	2	0	0	0	0	0	0	0	0
5	3	1	0	0	0	0	0	0	0
14	1	7	2	0	0	0	0	0	0
14	2	4	0	0	0	0	0	0	0
14	3	1	0	0	0	0	0	0	0
1	1	10	0	1	0	1	8	3	1
1	2	1	0	0	0	0	0	0	0
1	3	1	0	0	0	0	0	0	0
2	1	2	1	1	0	0	0	3	0
2	3	6	0	0	0	0	0	2	0
2	5	62	0	0	0	0	0	2	0
13	1	1	0	0	0	0	0	0	0
13	2	0	0	0	0	0	0	0	0
13	3	0	1	0	0	0	0	0	0
6	1	8	0	0	0	0	0	0	0
6	3	0	0	0	0	0	0	0	0
6	5	10	0	0	1	1	0	0	0
12	1	56	0	0	0	0	0	0	1
12	2	90	0	0	0	1	0	0	0
12	3	120	0	0	0	0	0	0	0

Table 11 cont'd

TRAN	STN	SQUI	SHRI
4	1	6	0
4	3	9	0
4	5	6	0
17	1	286	2
17	2	1	0
17	3	0	0
18	1	0	0
18	2	0	1
18	3	0	0
3	1	35	0
3	2	1	0
3	3	0	0
16	1	200	0
16	2	2	0
16	3	0	0
15	1	114	0
15	2	0	0
15	3	0	0
5	1	54	0
5	2	0	0
5	3	0	0
14	1	514	0
14	2	1	0
14	3	0	0
1	1	4	1
1	2	0	0
1	3	0	0
2	1	30	0
2	3	2	0
2	5	0	0
13	1	1	2
13	2	0	0
13	3	0	0
6	1	0	0
6	3	0	0
6	5	0	0
12	1	0	0
12	2	0	0
12	3	9	0

Table 12. Catch (n) in the Strait of Georgia in June 2000.

TRAN	STN	HERO	HER1	CHIN	CHUM	COHO	SOCK	LAMP	DOGF
99[1]	2	0	10039	0	168	18	0	0	0
8	1	5439	25	0	78	4	1	0	1
8	2	193	403	0	716	0	11	0	2
8	3	7	296	0	366	0	0	0	1
9	1	2694	12	50	73	56	3	1	0
9	2	5387	12	0	66	6	2	0	0
9	3	47	7	0	186	18	0	0	0
9	4	15824	29	0	69	71	21	0	3
9	5	135	29	0	43	9	0	0	2
11	1	105425	6139	0	5	113	0	0	0
11	2	0	334	0	7	16	0	0	0
11	3	0	224	0	0	16	0	0	0
11	4	0	183	0	3	11	0	3	0
11	5	0	200	0	4	6	3	2	0
3	1	0	3	0	163	86	8	0	0
3	2	46	1681	0	63	25	1	0	0
3	3	356	48	0	112	1	3	0	0
3	4	24840	44	1	60	0	0	0	1
5	1	37	104	0	56	20	5	0	0
5	2	350	26	0	242	2	4	0	0
5	3	226	30	0	87	3	0	0	0
5	4	53	26	0	51	6	0	0	0
5	5	23	3	0	61	0	0	0	0
1	1	52640	42	0	84	56	0	0	0
1	5	4066	36	0	28	2	0	0	0
2	1	66	92	0	3	3	0	1	0
2	2	48	39	0	5	0	0	0	0
2	3	2368	225	0	12	0	0	0	0
2	4	100	753	0	9	2	0	0	0
2	5	20049	84	0	432	24	21	0	0

[1] Transect 99 is in lower Johnstone Strait, but included here.

Table 12 cont'd

TRAN	STN	SARD	ANCH	MIDS	HAKJ	TOMC	EELP	STIC	TUBE
99[1]	2	0	0	0	0	0	0	0	0
8	1	0	0	0	0	0	0	0	1
8	2	0	2	0	2	0	0	0	0
8	3	0	1	0	0	0	3	8	0
9	1	0	0	0	0	0	0	1	0
9	2	0	0	0	0	0	0	0	0
9	3	0	0	0	5	0	0	2	0
9	4	0	0	0	1	0	0	0	0
9	5	0	1	0	1	0	0	1	0
11	1	0	0	0	15	0	0	15	0
11	2	0	2	0	23	0	0	1	0
11	3	2	0	0	1	0	0	0	0
11	4	1	0	0	1	0	0	0	0
11	5	0	0	0	0	0	0	0	0
3	1	0	0	0	0	0	0	1	0
3	2	0	0	8	0	0	0	0	0
3	3	0	0	22	0	0	0	0	0
3	4	0	0	0	0	0	0	0	0
5	1	0	0	0	0	0	0	0	0
5	2	0	0	2	3	0	0	2	0
5	3	0	0	0	0	0	0	0	0
5	4	0	0	0	0	0	0	0	0
5	5	0	0	0	0	0	0	0	0
1	1	0	0	21	0	0	0	0	0
1	5	0	0	0	0	0	0	0	0
2	1	0	0	0	0	0	0	2	0
2	2	0	0	0	0	0	0	6	0
2	3	0	0	0	0	0	0	0	0
2	4	0	0	0	0	2	0	4	0
2	5	0	0	0	0	3	0	30	0

[1] Transect 99 is in lower Johnstone Strait, but included here.

Table 12 cont'd

TRAN	STN	PIPE	SHIN	WOLF	SANL	SABL	LINJ	SCUL	SOLE	SQUI
99[1]	2	0	0	0	0	0	0	0	0	0
8	1	0	0	0	0	0	0	1	0	19
8	2	0	0	0	0	0	0	0	0	0
8	3	0	0	0	1	0	0	25	0	1
9	1	1	0	1	0	0	0	0	0	0
9	2	0	0	0	0	0	0	0	0	0
9	3	0	0	0	0	0	0	0	0	0
9	4	0	0	0	0	0	0	0	0	0
9	5	0	0	0	0	0	0	0	0	0
11	1	0	15	0	0	0	0	0	0	0
11	2	0	0	0	0	0	0	0	1	0
11	3	0	2	0	0	0	0	0	0	0
11	4	0	0	0	0	0	0	0	0	0
11	5	0	0	0	0	0	0	0	1	0
3	1	0	15	0	0	0	0	0	1	0
3	2	0	0	0	0	0	0	0	0	0
3	3	0	0	0	0	0	0	0	0	0
3	4	0	0	0	0	0	0	0	0	0
5	1	0	1	0	0	0	0	20	1	0
5	2	0	0	0	0	0	0	0	0	1
5	3	0	0	0	0	0	0	0	0	0
5	4	0	0	0	0	0	0	0	0	0
5	5	0	0	0	0	0	0	0	0	0
1	1	0	0	0	0	7	105	0	0	0
1	5	0	0	0	0	0	0	0	0	0
2	1	0	0	1	0	0	0	4	0	50
2	2	0	2	0	0	0	0	0	0	0
2	3	0	0	0	0	0	0	0	3	0
2	4	1	1	0	0	0	0	3	0	0
2	5	0	0	0	0	0	0	0	0	0

[1] Transect 99 is in lower Johnstone Strait, but included here.

Table 13. Catch (n) in the Strait of Georgia in June 2001.

TRAN	STN	HERO	HER1	HER2	CHIN	CHUM	COHO	PINK	SOCK
8	1	0	0	0	2	310	0	0	0
8	2	5158	335	0	2	21	0	0	1
8	3	28	38	0	0	18	0	0	0
9	1	1015	0	0	37	491	20	0	3
9	2	17046	696	0	0	72	0	0	2
9	3	55108	202	0	3	143	2	0	23
9	4	2617	10	0	2	39	0	0	0
9	5	4087	36	0	0	65	0	0	0
10	1	1	290	0	8	15	0	0	9
10	2	0	4	0	0	0	3	0	0
10	3	3	1	0	0	4	0	0	32
10	4	0	0	0	6	1	0	9	79
10	5	8	0	0	0	1	1	0	0
11	1	24247	1020	0	11	7	2	0	0
11	2	0	685	0	3	2	3	0	0
11	3	0	191	0	5	0	3	0	0
11	4	0	561	0	3	2	3	0	35
11	5	0	1747	0	4	2	1	0	4
37	1	3721	3833	9	5	0	2	0	0
37	2	11080	3384	0	3	0	5	0	0
3	1	12	39	0	117	547	27	0	0
3	2	0	5600	0	0	48	6	0	0
3	3	0	3857	0	2	78	2	0	0
3	4	496	2578	0	1	16	1	0	0
3	5	15922	14	0	7	11	11	0	0
5	1	4	3	0	42	4	14	0	0
5	2	142	638	0	6	17	0	0	0
5	3	3418	40	0	0	29	0	0	2
5	4	703	8	0	1	13	0	0	1
5	5	4239	1	0	0	4	0	0	1
2	1	255	526	0	14	2	1	0	0
2	2	1	620	0	2	3	6	0	0
2	3	8	524	0	0	9	3	0	0
2	4	0	1534	0	0	0	0	0	0
2	5	44	1993	0	1	5	2	0	0

Table 13 cont'd

TRAN	STN	LAMP	DOGF	ANCH	TSHA	MIDS	HAKJ	TOMC	STIC
8	1	0	1	0	0	1	0	2	1
8	2	0	3	0	0	0	0	0	0
8	3	0	0	0	0	0	0	12	0
9	1	0	2	1	0	0	0	0	0
9	2	0	3	9	0	0	0	0	1
9	3	0	3	6	0	0	0	0	2
9	4	0	2	0	0	0	0	0	0
9	5	0	2	0	0	0	0	0	0
10	1	7	0	0	0	1	0	0	0
10	2	0	0	0	0	1	0	0	0
10	3	0	0	0	0	0	0	0	0
10	4	0	0	0	0	0	0	0	0
10	5	0	0	0	0	0	0	0	0
11	1	1	0	0	0	1	2	0	40
11	2	0	1	1	0	0	3	0	1
11	3	0	0	0	0	0	0	0	0
11	4	0	7	0	0	0	0	0	1
11	5	0	4	0	0	0	0	0	0
37	1	0	0	0	0	0	0	0	0
37	2	0	0	0	1	0	0	0	0
3	1	0	9	0	0	14	0	8	1
3	2	0	9	3	0	9	0	0	3
3	3	0	2	2	0	4	0	0	0
3	4	1	2	3	0	0	0	0	0
3	5	0	4	1	0	2	0	0	0
5	1	0	0	0	0	17	0	32	1
5	2	0	0	0	0	0	0	0	0
5	3	0	0	0	0	0	0	1	0
5	4	1	1	0	0	0	0	0	0
5	5	0	0	0	0	0	0	0	0
2	1	0	1	0	0	5	0	3	17
2	2	0	0	0	0	0	0	0	2
2	3	0	0	0	0	0	0	0	1
2	4	0	0	0	0	4	0	0	0
2	5	0	0	0	0	1	0	5	0

Table 13 cont'd

TRAN	STN	PIPE	SHIN	PRIC	WOLF	SANL	LINJ	SCUL	POAC
8	1	3	0	0	0	0	0	0	0
8	2	0	0	0	1	0	0	0	0
8	3	0	0	1	0	0	1	0	0
9	1	0	0	0	0	0	1	0	0
9	2	0	0	0	0	3	0	0	0
9	3	0	0	0	0	36	0	0	0
9	4	0	0	0	0	0	0	0	0
9	5	0	0	0	0	0	0	0	0
10	1	0	0	0	0	0	0	0	0
10	2	0	0	0	0	0	0	0	0
10	3	0	0	0	0	0	0	0	0
10	4	0	0	0	0	0	0	0	0
10	5	0	0	0	0	0	0	0	0
11	1	0	2	0	0	0	0	0	0
11	2	0	0	0	0	0	0	0	0
11	3	0	0	0	0	0	0	0	0
11	4	0	0	0	0	0	0	0	0
11	5	0	0	0	0	0	0	0	0
37	1	0	0	0	0	0	0	0	0
37	2	0	0	0	0	0	0	0	0
3	1	0	1	0	0	0	2	8	1
3	2	0	0	0	0	0	0	0	0
3	3	0	2	0	0	0	0	0	0
3	4	0	0	0	0	0	0	0	0
3	5	1	0	0	0	4	0	0	0
5	1	0	2	0	0	0	0	24	0
5	2	0	0	0	0	0	0	1	0
5	3	0	0	0	0	0	0	1	0
5	4	0	0	0	0	0	0	0	0
5	5	0	0	0	1	0	0	1	0
2	1	0	7	0	0	1	0	0	0
2	2	0	0	0	0	0	0	0	0
2	3	0	0	0	0	0	0	1	0
2	4	0	0	0	0	0	0	0	0
2	5	0	0	0	0	0	0	1	0

Table 13 cont'd

TRAN	STN	SOLE	SQUI
8	1	0	0
8	2	0	0
8	3	0	1
9	1	0	0
9	2	0	0
9	3	0	0
9	4	0	0
9	5	0	0
10	1	0	0
10	2	0	0
10	3	0	0
10	4	0	0
10	5	0	1
11	1	0	1
11	2	0	0
11	3	0	0
11	4	0	0
11	5	0	0
37	1	5	12
37	2	0	0
3	1	0	0
3	2	0	0
3	3	0	0
3	4	0	0
3	5	0	0
5	1	8	10
5	2	0	7
5	3	0	0
5	4	0	0
5	5	0	0
2	1	1	10
2	2	0	0
2	3	0	0
2	4	0	0
2	5	0	3

Table 14. Catch (n) in the Strait of Georgia in September 1996.

TRAN	STN	HERO	HER1	HER2	CHIN	CHUM	COHO	PINK	SOCK
8	1	294	4	0	10	138	0	9	0
8	2	830	0	0	6	7	0	1	0
8	3	324	2	0	7	3	0	0	0
8	4	10223	0	0	5	1	0	0	0
9	1	0	0	2	12	11	0	8	0
9	2	0	0	0	0	55	0	4	0
9	3	1	0	0	1	11	0	2	0
9	4	0	0	0	2	11	1	1	0
9	5	0	0	0	1	11	1	1	0
10	1	179	0	0	3	0	0	1	0
10	2	953	0	0	0	0	0	0	0
10	3	462	2	0	1	0	2	0	1
10	4	1	0	0	1	0	1	1	0
10	5	8	0	0	3	1	0	0	0
11	1	443	6	0	264	10	0	21	24
11	2	41	4	0	8	68	0	15	6
11	3	62	511	0	15	56	0	5	3
11	4	20	27	0	21	5	1	2	1
11	5	1	0	0	2	1	1	3	2
4	1	2854	186	0	5	5	0	0	0
4	2	716	9	0	2	0	0	0	0
4	3	1793	0	0	3	0	0	0	0
4	4	304	8	0	1	0	0	0	0
4	5	9	3	0	0	0	0	0	0
3	1	0	26328	4670	0	0	0	0	0
3	2	0	2	0	5	7	10	18	0
3	3	9	0	0	0	2	4	22	0
3	4	23	2	0	4	3	0	6	0
3	5	33	4	0	2	2	1	2	0
5	1	212	4277	430	17	16	4	2	0
5	2	0	0	0	9	9	21	4	0
5	3	0	0	0	3	6	15	2	0
5	4	0	0	0	0	6	8	0	0
5	5	0	0	0	0	6	3	0	0
1	1	3016	124	0	47	14	0	108	0
1	2	3	20	0	1	1	0	2	0
1	3	12	1	1	2	5	0	7	0
1	4	0	0	0	1	10	0	3	0
1	5	0	0	0	1	9	0	2	0
2	1	10789	0	0	0	0	0	0	0
2	2	107	10	0	2	1	0	0	0
2	3	1	0	0	1	3	0	0	0
2	4	0	0	0	3	6	0	0	0
2	5	480	0	0	6	3	0	1	0
6	1	7	0	0	0	3	0	0	0
6	2	0	0	0	0	0	0	0	0
6	3	4	0	0	0	0	0	0	0
6	4	5	0	0	0	1	0	1	0
6	5	1	0	0	0	0	0	0	0

Table 14 cont'd

TRAN	STN	DOGF	ANCH	TSHA	MIDS	HAKJ	HAKE	POLJ	TOMC
8	1	1	0	0	0	0	0	0	0
8	2	9	0	0	0	0	0	1	0
8	3	10	0	0	0	0	0	0	0
8	4	1	0	0	0	0	0	0	0
9	1	0	0	0	0	0	0	0	0
9	2	0	0	0	0	0	0	0	0
9	3	0	0	0	0	0	0	2	0
9	4	1	0	0	0	0	0	2	0
9	5	4	0	0	0	0	0	0	0
10	1	0	0	0	0	0	0	0	0
10	2	0	0	0	0	0	0	0	0
10	3	0	0	0	0	0	0	16	0
10	4	3	0	0	0	0	0	9	0
10	5	0	0	1	0	0	0	1	0
11	1	0	0	0	0	0	0	0	0
11	2	3	1	0	0	2	0	4	0
11	3	1	0	0	0	0	0	0	0
11	4	0	0	0	0	0	0	0	0
11	5	0	0	0	0	0	0	0	0
4	1	2	0	0	38	10	0	0	0
4	2	1	0	0	30	1	0	0	0
4	3	1	0	0	35	1	0	0	0
4	4	0	0	0	16	0	0	0	0
4	5	0	0	0	27	0	0	6	0
3	1	30	0	0	0	0	0	0	0
3	2	5	0	0	0	0	0	0	0
3	3	0	0	0	0	0	0	0	0
3	4	0	0	0	0	0	0	0	0
3	5	0	0	0	0	0	0	65	0
5	1	0	0	0	0	0	0	0	0
5	2	0	0	0	0	0	0	0	0
5	3	0	0	0	0	0	1	0	0
5	4	0	0	0	0	0	0	0	0
5	5	0	0	0	0	0	0	0	0
1	1	0	0	0	0	0	0	16	0
1	2	0	0	0	0	0	0	0	0
1	3	0	0	0	0	0	0	0	0
1	4	0	0	0	0	0	0	0	0
1	5	0	0	0	0	0	0	0	0
2	1	0	0	0	0	0	0	0	0
2	2	0	0	0	0	0	0	0	35
2	3	0	0	0	0	0	0	0	2
2	4	0	0	0	0	0	0	0	0
2	5	0	0	0	0	0	0	0	0
6	1	0	0	0	0	0	0	0	0
6	2	0	0	0	0	0	0	0	0
6	3	0	0	0	0	0	0	0	0
6	4	0	0	0	0	0	0	0	0
6	5	0	0	0	0	0	0	0	0

Table 14 cont'd

TRAN	STN	STIC	PIPE	SHIN	GUNN	SANL	MACK	SCUL	SOLE	SQUI
8	1	0	0	0	0	0	0	0	0	7
8	2	0	0	0	0	0	0	0	0	0
8	3	0	0	0	0	1964	0	0	0	0
8	4	0	0	0	0	1	0	0	1	0
9	1	1	0	0	0	6	0	0	0	0
9	2	0	0	0	0	164	0	0	0	0
9	3	0	0	0	0	25	0	0	0	0
9	4	0	0	0	0	0	0	0	0	0
9	5	0	0	0	0	0	0	0	0	0
10	1	8	0	0	0	4542	0	0	0	0
10	2	0	0	0	0	0	0	0	0	0
10	3	0	1	0	0	0	0	0	0	0
10	4	0	0	0	0	2	0	0	0	0
10	5	0	0	0	0	0	0	0	0	0
11	1	277	0	7	0	15	0	0	0	216
11	2	10	0	0	0	0	0	0	0	0
11	3	6	0	0	0	0	0	0	0	0
11	4	0	0	0	0	11	0	0	0	0
11	5	0	0	0	0	2	0	0	0	0
4	1	0	0	53	2	0	1	0	0	95
4	2	0	0	2	1	0	0	0	0	25
4	3	0	0	0	3	0	0	0	0	30
4	4	25	0	0	1	0	0	0	0	7
4	5	0	0	0	0	0	0	0	0	3
3	1	0	0	0	0	0	0	0	0	0
3	2	0	0	0	1	0	0	3	0	2
3	3	0	0	0	0	0	0	2	0	0
3	4	1	0	0	0	0	0	1	0	0
3	5	2	0	0	0	0	0	0	0	42
5	1	0	0	0	0	0	0	1	1	0
5	2	0	0	0	0	0	0	12	0	2
5	3	0	0	0	0	0	0	0	0	7
5	4	0	0	0	0	0	0	0	0	0
5	5	0	0	0	0	0	0	0	0	0
1	1	0	0	0	0	0	0	0	0	52
1	2	0	0	0	0	0	0	0	0	0
1	3	0	0	0	0	0	0	0	0	0
1	4	0	2	0	0	0	0	0	0	1
1	5	1	0	0	0	0	0	0	0	2
2	1	0	0	0	0	0	0	3	0	350
2	2	0	0	0	0	1	0	0	0	365
2	3	0	0	0	0	0	0	5	0	412
2	4	0	0	0	0	0	0	0	0	124
2	5	0	0	0	0	2	0	0	0	201
6	1	0	0	0	0	0	0	0	0	32
6	2	0	0	0	0	0	0	0	0	3
6	3	0	0	0	0	0	0	0	0	2
6	4	0	0	0	0	0	0	0	0	2
6	5	1	0	0	0	0	0	0	0	7

Table 15. Catch (n) on the mainland coast of the upper Strait of Georgia in Sept. 1997.

TRAN	STN	HERO	HER1	HER2	CHIN	CHUM	COHO	PINK	SOCK
19[1]	1	382	146	8	2	1	0	8	24
19[1]	2	150	2	0	0	0	1	11	9
19[1]	3	32	1	0	8	1	0	0	4
8	1	16	37	0	0	5	0	5	0
8	2	248	45	1	21	9	0	6	54
8	4	484	27	0	0	0	0	0	5
20	1	4197	24	1	8	2	0	19	5
20	2	6391	16	1	0	0	12	3	2
20	3	6449	33	4	0	6	0	7	1
9	1	1074	0	0	20	0	0	18	0
9	2	2768	0	0	14	0	0	1	3
9	3	12390	2	0	2	0	0	7	2
21	1	11477	0	0	0	1	0	3	0
21	2	4384	1	0	0	2	0	5	6
21	3	2779	3	0	3	1	0	4	0
10	1	62	0	0	0	17	2	5	35
10	3	721	0	0	4	0	0	0	8
10	5	695	0	0	4	2	0	3	10
22	1	187246	62487	0	0	0	0	0	1832
22	2	1046	4	1	6	0	0	10	23
22	3	17	2	0	4	0	0	1	9
11	1	3436	71	0	2	0	0	3	12
11	2	166	4	0	0	11	0	0	0
11	3	195	1	0	2	4	0	0	0
23	1	211	242	5	0	0	0	4	1
23	2	1074	24	1	3	0	0	0	3
23	3	2278	1	0	0	2	1	1	0

[1] Transect 19 is usually grouped with the lower Johnstone Strait, but was included here.

Table 15 cont'd

TRAN	STN	DOGF	ANCH	MIDS	HAKJ	HAKE	POLJ	POLL	TOMC
19[1]	1	6	0	8	0	0	0	0	0
19[1]	2	0	0	0	15	0	0	0	0
19[1]	3	0	0	0	45	0	0	0	0
8	1	0	0	3	0	0	0	0	1
8	2	0	0	18	0	0	40	0	0
8	4	0	0	5	0	0	0	0	0
20	1	0	0	4	1	0	6	0	0
20	2	0	0	0	61	0	0	0	0
20	3	0	0	0	0	0	0	1	0
9	1	0	1	10	0	1	6	0	0
9	2	16	0	0	0	2	0	0	0
9	3	7	0	0	0	0	0	0	0
21	1	2	0	1	2	0	133	0	0
21	2	4	0	0	280	0	0	0	0
21	3	0	0	0	0	0	0	2	0
10	1	0	0	0	192	0	0	0	0
10	3	0	0	0	192	0	0	0	0
10	5	0	0	0	593	0	140	0	0
22	1	22	0	0	0	0	0	1	0
22	2	0	0	0	20	0	10	0	0
22	3	0	0	0	99	0	0	0	0
11	1	0	84	0	50	0	10	0	0
11	2	0	105	0	190	0	0	0	0
11	3	0	143	0	95	0	0	0	0
23	1	0	2	0	710	0	14	0	0
23	2	0	0	0	760	0	0	0	0
23	3	0	0	0	99	0	0	0	0

[1] Transect 19 is usually grouped with the lower Johnstone Strait, but was included here.

Table 15 cont'd

TRAN	STN	STIC	SHIN	SANL	SEBA	SCUL	POAC	SOLE	SQUI	SHRI
19[1]	1	0	0	10	0	0	0	0	10	0
19[1]	2	0	0	1	0	0	0	0	3	0
19[1]	3	0	0	0	0	0	0	0	0	0
8	1	16	0	1	0	0	0	0	21	0
8	2	2	0	0	0	0	0	0	5	0
8	4	1	0	2	0	1	0	0	0	1
20	1	0	4	3	0	0	1	7	11	3
20	2	0	0	0	0	0	0	0	0	0
20	3	0	0	0	0	0	0	0	0	0
9	1	5	16	4	0	0	0	0	0	0
9	2	0	1	1	1	0	0	0	0	0
9	3	0	0	0	0	0	0	0	0	0
21	1	0	8	0	0	0	0	0	0	0
21	2	0	0	0	0	0	0	0	0	0
21	3	0	0	9	0	0	0	0	10	1
10	1	1	0	1	0	0	0	0	0	0
10	3	0	0	0	0	0	0	0	1	0
10	5	0	0	0	0	0	0	0	0	0
22	1	0	0	0	0	0	0	0	0	0
22	2	60	0	1	0	0	0	0	0	0
22	3	0	0	0	0	0	0	0	1	0
11	1	0	0	0	0	0	0	0	0	0
11	2	0	0	0	0	0	0	0	0	0
11	3	0	0	0	0	0	0	0	0	0
23	1	51	0	2	0	0	0	0	0	0
23	2	0	0	0	0	0	0	0	0	0
23	3	0	0	0	0	0	0	0	2	0

[1] Transect 19 is usually grouped with the lower Johnstone Strait, but was included here.

Table 16. Catch (n) on the Vancouver Is. shore of the Strait of Georgia in Sept. 1997.

TRAN	STN	HERO	HER1	HER2	CHIN	CHUM	COHO	SOCK	DOGF
4	1	0	0	0	0	0	0	0	0
4	3	47	0	0	0	0	0	0	7
4	5	13296	0	0	0	0	0	0	0
17	1	6	0	0	1	22	0	0	0
17	2	48	0	0	1	5	1	0	0
17	3	50	0	0	0	3	0	3	0
18	1	43	1	0	2	14	0	0	4
18	2	2	0	0	1	2	0	1	0
18	3	25	0	0	0	2	0	0	0
3	1	95	529	0	3	40	0	42	0
3	2	15	15	0	14	347	7	95	0
3	3	232	18	1	3	27	3	0	0
16	1	27	295	3	4	3	0	0	0
16	2	35	1	0	2	5	3	0	0
16	3	2	0	0	0	4	3	2	0
15	1	3	0	0	0	0	0	0	0
15	2	1	0	0	7	0	2	1	0
15	3	1	0	0	3	7	19	4	0
5	1	32	80	1	1	0	1	0	0
5	2	64	0	0	0	1	1	0	0
5	3	114	1	0	0	3	0	0	0
14	1	17	120	2	4	70	0	0	0
14	2	3	50	0	0	0	0	0	0
14	3	15	1856	0	5	1	1	8	0
1	1	15	6995	2	4	13	0	0	0
1	2	2443	0	0	2	27	0	1	0
1	3	2005	0	0	4	14	0	0	0
2	1	22815	1	0	0	4	0	0	0
2	3	3979	1	0	2	0	0	0	0
2	5	5072	0	0	1	0	0	0	0
13	1	29911	2	0	0	8	3	0	0
13	2	5185	0	0	5	0	0	0	0
13	3	11588	3	0	4	8	9	0	0
6	1	3371	0	0	0	0	0	0	0
6	3	4471	0	0	1	8	0	0	0
6	5	4435	0	0	14	61	0	0	0
12	1	7280	0	0	0	2	0	0	0
12	2	4097	0	0	2	4	0	0	0
12	3	16924	2	0	7	10	1	2	0

Table 16 cont'd

TRAN	STN	RATF	SMEJ	MIDS	POLJ	POLL	STIC	PIPE	SHIN
4	1	0	0	0	0	0	0	0	6
4	3	0	0	0	0	0	1	0	0
4	5	0	0	2	0	0	0	0	0
17	1	0	0	0	250	0	0	1	9
17	2	0	0	0	0	0	0	0	0
17	3	0	0	0	0	0	0	0	0
18	1	1	0	0	0	0	0	0	0
18	2	0	0	0	0	0	0	0	0
18	3	0	0	0	0	0	0	0	0
3	1	0	0	1	0	0	0	0	4
3	2	0	0	0	0	0	1	0	0
3	3	0	0	0	0	0	0	0	0
16	1	0	0	2	0	0	0	1	4
16	2	0	0	0	0	0	0	0	0
16	3	0	0	0	0	0	0	0	0
15	1	0	0	0	0	0	0	0	1
15	2	0	0	0	0	0	0	0	0
15	3	0	0	0	0	0	0	0	0
5	1	0	0	0	0	0	0	1	3
5	2	0	0	0	0	0	0	0	0
5	3	0	0	0	1	0	0	0	0
14	1	0	0	0	100	0	0	0	0
14	2	0	0	0	0	0	1	0	0
14	3	0	0	0	0	0	0	0	0
1	1	0	0	0	15	0	0	0	6
1	2	0	0	0	0	0	0	0	0
1	3	0	0	0	0	0	0	0	0
2	1	0	0	0	0	0	0	0	0
2	3	0	0	0	0	0	0	0	0
2	5	0	0	0	0	0	0	0	0
13	1	0	0	2	0	0	3857	0	10
13	2	0	0	0	3	1	121	0	0
13	3	0	0	2	0	0	169	0	1
6	1	0	1	0	0	0	1	0	0
6	3	0	0	0	0	0	0	0	0
6	5	0	0	0	0	0	0	0	0
12	1	0	0	0	1	0	0	0	1
12	2	0	0	0	0	0	0	0	0
12	3	0	0	0	0	0	0	0	0

Table 16 cont'd

TRAN	STN	GUNN	SANL	SCUL	POAC	SOLE	SQUI	SHRI
4	1	8	1	0	0	1	1	0
4	3	1	0	2	0	0	0	0
4	5	0	0	1	0	0	0	0
17	1	0	0	0	0	0	0	0
17	2	0	0	0	0	0	0	0
17	3	0	0	0	0	0	0	0
18	1	1	0	0	0	0	2	0
18	2	0	0	0	0	0	0	0
18	3	0	0	0	0	0	0	0
3	1	2	5	0	4	0	70	0
3	2	1	1	0	0	0	4	0
3	3	0	0	0	0	0	0	0
16	1	0	1	4	0	0	45	0
16	2	1	0	0	1	0	1	0
16	3	0	0	0	0	0	0	0
15	1	1	0	1	0	4	2	0
15	2	1	0	0	0	0	0	0
15	3	0	0	0	0	0	0	0
5	1	0	0	2	0	9	2	0
5	2	0	0	0	0	0	1	0
5	3	0	0	0	0	0	10	0
14	1	0	0	0	0	0	0	0
14	2	0	0	0	0	0	9	0
14	3	0	0	0	0	0	7	0
1	1	1	0	1	0	5	14	0
1	2	0	0	0	0	0	0	0
1	3	0	0	0	0	0	0	0
2	1	0	0	3	0	0	0	0
2	3	0	0	0	0	0	0	0
2	5	0	0	0	0	0	0	0
13	1	0	0	4	0	1	0	0
13	2	0	0	1	0	0	20	0
13	3	0	0	6	0	0	1	28
6	1	0	0	0	0	0	0	1
6	3	0	0	0	0	1	0	0
6	5	0	0	0	0	0	0	0
12	1	0	1	1	0	0	0	1
12	2	0	0	0	0	0	0	0
12	3	0	0	0	0	0	0	0

Table 17. Catch (n) on the mainland coast of the upper Strait of Georgia in 1998.

TRAN	STN	HERO	HER1	HER2	CHIN	CHUM	COHO	PINK	SOCK
8	1	70	0	0	2	2	0	0	0
8	2	6	1	0	3	0	0	0	0
8	3	39	0	0	3	0	1	0	0
20	1	1062	38	0	0	51	0	16	0
20	3	3231	196	0	1	4	0	0	0
9	1	926	10	0	1	1	1	2	0
9	2	783	21	0	0	0	1	0	0
9	3	2343	3	0	0	0	0	0	0
27	1	19798	1381	0	6	0	0	0	0
26	1	1921	13	0	6	1	1	1	0
21	1	2751	4	1	3	4	1	0	0
21	2	263	5	0	1	0	0	0	0
21	3	2788	405	0	1	3	0	0	0
10	1	1398	20	0	1	0	0	0	0
10	3	30	0	0	0	0	0	0	0
10	5	49	1	0	6	12	1	2	0
22	1	6862	0	0	2	0	0	8	0
22	2	8102	0	0	18	16	2	18	1
22	3	814	16	0	13	9	1	9	0
11	1	1077	220	0	5	12	0	8	2
11	2	947	5	0	0	30	0	5	1
11	3	1154	13	0	2	22	0	6	0
24	1	5447	2349	0	0	74	0	3	0
24	2	3025	61	1	0	102	0	23	4
24	3	880	33	1	1	10	0	14	0
24	4	3897	250	0	3	18	0	0	0
24	5	5778	513	0	0	4	3	0	0
24	6	0	0	0	7	0	1	0	0

Table 17 cont'd

TRAN	STN	DOGF	ANCH	MIDS	HAKJ	HAKE	POLJ	STICK	SHIN
8	1	0	0	n/a	0	0	0	0	0
8	2	0	0	25	0	0	0	0	0
8	3	0	0	0	0	0	0	0	0
20	1	0	0	0	0	0	0	0	0
20	3	5	0	0	0	0	1	0	0
9	1	0	0	0	0	0	0	0	0
9	2	0	0	0	0	0	0	0	0
9	3	0	0	0	0	0	0	0	0
27	1	0	0	0	0	0	0	0	6
26	1	0	0	0	0	0	30	0	0
21	1	1	0	0	0	0	0	0	0
21	2	1	0	0	6	0	0	0	0
21	3	0	0	2	0	0	0	0	0
10	1	0	0	0	20	0	1	0	52
10	3	0	0	0	4	0	0	0	0
10	5	0	0	0	0	0	0	0	0
22	1	0	0	0	0	0	0	8	18
22	2	0	0	0	0	0	0	0	0
22	3	4	0	0	n/a	0	0	4	0
11	1	5	0	0	0	0	0	4	9
11	2	0	1	0	0	n/a	0	0	0
11	3	0	0	0	0	n/a	0	0	0
24	1	0	0	0	35	0	0	0	0
24	2	0	0	0	n/a	0	0	0	0
24	3	2	0	0	n/a	0	0	2	0
24	4	0	0	0	0	n/a	0	0	0
24	5	21	0	0	29	0	0	0	0
24	6	26	0	0	0	0	0	0	0

Table 17 cont'd

TRAN	STN	SAND	MACK	SQUI
8	1	0	0	15
8	2	0	0	0
8	3	6	0	0
20	1	0	0	0
20	3	0	0	0
9	1	4	0	1
9	2	0	0	0
9	3	0	0	0
27	1	0	0	0
26	1	0	0	3
21	1	0	1	1
21	2	0	0	1
21	3	0	0	0
10	1	0	0	0
10	3	0	0	0
10	5	0	0	0
22	1	1	0	0
22	2	0	0	0
22	3	0	0	0
11	1	2	0	0
11	2	0	0	0
11	3	0	0	0
24	1	0	0	0
24	2	0	0	0
24	3	0	0	0
24	4	0	0	0
24	5	0	0	0
24	6	0	0	3

Table 18. Catch (n) on the Vancouver Is. shore of the Strait of Georgia in Sept. 1998.

TRAN	STN	HERO	HER1	HER2	CHIN	CHUM	COHO	PINK	SOCK
4	3	7	1	0	1	0	0	0	0
4	5	252	5	0	0	0	0	0	0
3	1	2	8	0	43	3	0	0	0
3	2	1325	160	0	0	17	0	35	0
3	3	2807	348	0	0	0	16	18	0
16	1	1	0	0	8	7	0	6	0
35	1	68	27	0	3	2	0	7	0
35	2	2	0	0	0	5	0	6	0
15	1	76	16	0	10	6	9	26	0
5	1	34755	10021	0	0	0	0	0	0
5	2	0	2	0	9	16	8	9	0
5	3	0	1	0	2	4	2	3	0
14	1	45	51	0	3	0	0	0	0
14	3	6	2	0	4	5	0	0	0
1	1	374	9	0	2	12	0	14	0
1	2	4944	20	1	3	2	0	4	0
1	3	6865	245	0	3	2	0	73	1
25	1	930	0	0	5	0	0	0	0
25	2	30748	535	0	0	0	5	0	0
25	3	17	0	0	1	11	6	6	0
25	4	5	1	0	4	3	0	1	0
2	1	1951	0	0	0	0	0	0	0
2	3	8150	1	0	0	0	0	0	0
2	5	2870	2	0	4	0	0	0	0
13	1	45	0	0	5	0	0	0	0
13	2	1089	12	0	0	1	0	0	0
13	3	93	1	0	7	0	0	0	0
6	1	1161	0	0	0	2	0	1	0
6	3	1081	0	0	0	0	0	0	0
6	5	396	0	0	2	0	0	0	0
12	1	547	0	0	0	0	0	1	0
12	2	2370	0	0	1	0	0	0	0
12	3	2646	0	0	1	1	0	0	0

Table 18 cont'd

TRAN	STN	DOGF	ANCH	MIDS	HAKJ	POLJ	TOMC	STICK	PIPE
4	3	2	0	n/a	0	0	0	29	0
4	5	1	1	100	0	0	0	2	1
3	1	0	0	0	0	0	0	0	0
3	2	2	0	0	0	0	0	0	0
3	3	0	0	0	0	0	0	0	0
16	1	0	0	100	0	0	0	0	1
35	1	0	0	0	0	1	0	0	0
35	2	0	0	0	1	0	0	0	0
15	1	0	0	0	15	0	0	0	0
5	1	0	0	0	0	0	0	0	0
5	2	0	0	0	0	0	0	0	0
5	3	0	0	0	0	0	0	0	0
14	1	0	0	0	0	0	0	0	0
14	3	0	0	0	0	0	0	0	0
1	1	0	0	0	1	0	0	0	0
1	2	0	0	0	0	0	0	0	0
1	3	2	0	0	1	0	0	0	0
25	1	0	0	0	0	0	0	0	0
25	2	0	0	0	0	0	0	0	0
25	3	0	0	0	0	0	0	0	0
25	4	0	0	0	0	0	0	0	0
2	1	0	0	2	0	0	1	8	0
2	3	0	0	1	0	0	0	0	0
2	5	0	0	0	0	0	0	0	0
13	1	0	0	n/a	0	0	0	0	0
13	2	0	0	0	20	0	0	0	0
13	3	0	0	0	0	0	0	0	0
6	1	0	0	0	0	0	0	0	0
6	3	0	0	0	0	0	0	0	0
6	5	0	0	0	0	0	0	0	0
12	1	0	0	0	0	0	0	0	0
12	2	0	0	0	0	0	0	0	0
12	3	0	0	0	0	0	0	0	0

Table 18 cont'd

TRAN	STN	SHIN	GUNN	SAND	SCUL	SOLE	SQUI
4	3	0	0	0	1	0	29
4	5	0	1	0	0	0	n/a
3	1	0	0	25	0	0	287
3	2	0	2	0	0	0	0
3	3	0	0	0	0	0	0
16	1	0	0	10	4	0	0
35	1	0	0	2	0	0	0
35	2	0	0	0	1	0	0
15	1	0	0	0	1	0	7
5	1	0	0	0	0	0	0
5	2	0	0	0	0	0	2
5	3	0	0	0	0	0	4
14	1	0	0	0	0	0	0
14	3	0	0	0	0	0	0
1	1	1	0	0	1	5	45
1	2	0	0	0	0	0	7
1	3	0	0	0	0	0	38
25	1	0	0	0	0	0	6
25	2	0	0	0	0	0	15
25	3	0	0	0	0	0	0
25	4	0	0	0	0	0	0
2	1	0	0	1	0	0	0
2	3	0	0	1	0	0	96
2	5	0	0	1	0	0	287
13	1	0	0	0	0	0	n/a
13	2	0	0	1	0	0	n/a
13	3	0	0	0	0	0	0
6	1	0	0	0	0	0	59
6	3	0	0	0	0	0	29
6	5	0	0	4	0	0	85
12	1	0	0	0	0	0	1
12	2	0	0	0	0	0	0
12	3	0	0	3	0	0	1

Table 19. Catch (n) in the Strait of Georgia in 1999.

TRAN	STN	HERO	HER1	HER2	CHIN	CHUM	COHO	PINK	DOGF
8	1	12	1	0	2	0	0	0	0
8	2	31	3	0	1	0	0	0	0
8	3	23	0	0	0	0	0	0	0
9	1	81	88	6	3	0	0	0	0
9	2	139	81	9	5	2	0	0	1
9	3	128	36	5	0	2	0	0	5
21	1	88	96	6	2	20	0	0	1
21	2	48	187	11	3	9	0	0	1
21	3	103	19	2	6	0	0	0	0
10	1	70	45	2	0	0	0	1	0
10	3	10	1	0	1	1	0	0	0
10	5	11	15	0	3	6	1	0	0
11	1	930	116	6	4	0	0	1	0
11	2	128	14	1	0	4	0	0	0
11	3	154	15	0	0	2	0	1	0
36	1	792	0	0	4	0	1	0	0
36	2	2	3	2	1	3	4	0	0
36	3	0	1	1	1	1	5	0	0
36	4	1	4	0	0	21	14	0	0
4	1	516	0	0	0	0	0	0	0
4	3	7	0	0	0	0	0	0	0
3	1	0	0	0	7	1	0	0	1
3	2	5278	1	0	5	1	0	0	0
3	3	45	1	0	0	10	2	0	0
3	6	103	30	3	1	3	1	0	0
3	7	294	22	5	3	30	3	0	0
3	8	419	40	6	1	22	4	0	0
3	9	60	26	12	2	8	4	0	0
5	1	184	16	4	2	6	0	0	0
5	2	21	1	0	1	1	0	0	0
5	3	2	0	0	2	3	0	0	0
5	6	110	214	26	0	34	1	0	0
5	7	233	58	3	2	60	4	0	0
5	8	3	10	1	2	34	1	0	0
1	1	94	235	2	9	168	0	0	0
1	2	0	3	0	1	31	0	0	0
1	3	0	6	0	7	107	0	0	0
1	6	0	2	0	3	45	3	1	0
1	7	0	0	0	1	13	5	0	0
1	8	0	0	0	0	24	32	0	0
1	9	0	0	0	2	5	15	0	0
2	1	11771	1	0	0	0	0	0	0
2	3	218	0	0	0	1	0	0	0
2	5	681	0	0	2	10	0	0	0
6	1	4417	0	0	1	7	0	0	0
6	3	392	0	0	1	8	0	0	0
6	5	4697	0	0	0	20	0	0	0
12	1	1157	0	0	0	1	0	0	0
12	2	970	0	0	0	1	0	0	0

Table 19 cont'd

TRAN	STN	RATF	ANCH	KETA	GORB	SMEA	MIDS	HAKJ	HAKE
8	1	0	0	0	0	0	0	0	0
8	2	0	0	0	0	0	2	0	0
8	3	0	0	0	0	0	0	0	0
9	1	0	1	0	0	0	0	0	0
9	2	0	0	0	0	0	0	0	0
9	3	0	0	0	0	0	0	2	18
21	1	0	4	0	0	0	0	0	0
21	2	0	2	1	0	0	0	0	0
21	3	0	1	0	0	0	0	0	1
10	1	0	1	0	0	0	0	0	0
10	3	0	0	0	0	0	0	30	1
10	5	0	0	0	0	1	0	0	7
11	1	0	20	0	0	0	0	0	0
11	2	0	1	0	0	1	0	0	1
11	3	0	0	0	0	0	0	0	0
36	1	2	0	0	0	0	0	0	0
36	2	0	0	0	0	0	0	0	15
36	3	0	0	0	0	0	0	100	21
36	4	0	0	0	0	1	0	0	6
4	1	0	0	0	0	0	0	0	0
4	3	0	0	0	0	0	0	0	0
3	1	1	0	0	0	0	0	0	0
3	2	0	0	0	0	0	0	0	0
3	3	0	0	0	0	0	0	0	0
3	6	0	0	0	0	0	0	0	2
3	7	0	0	0	0	0	0	0	0
3	8	0	0	0	0	0	0	0	0
3	9	0	0	0	0	0	0	0	0
5	1	0	0	0	0	0	0	0	0
5	2	0	0	0	0	0	0	0	2
5	3	0	0	0	1	0	0	0	0
5	6	0	0	0	0	0	0	0	11
5	7	0	0	0	0	0	0	0	4
5	8	0	0	0	0	0	0	0	5
1	1	0	2	0	1	0	0	0	0
1	2	0	2	0	0	0	0	0	0
1	3	0	0	0	0	0	0	0	0
1	6	0	0	0	0	0	0	35	5
1	7	0	0	0	0	0	0	100	0
1	8	0	0	0	0	0	0	8	0
1	9	0	0	0	0	0	0	0	28
2	1	0	0	0	0	0	0	0	0
2	3	0	0	0	0	0	1	0	0
2	5	0	0	0	0	0	0	0	0
6	1	0	0	0	0	0	1	0	0
6	3	0	0	0	0	0	0	0	0
6	5	0	0	0	0	0	0	0	0
12	1	0	0	0	0	0	0	0	0
12	2	0	0	0	0	0	0	0	0

Table 19 cont'd

TRAN	STN	POLJ	POLL	TOMC	STIC	PIPE	SHIN	PRIC	GUNN
8	1	0	0	0	0	0	0	0	0
8	2	0	0	0	0	0	0	0	1
8	3	0	0	0	0	1	0	0	0
9	1	0	0	0	0	1	0	0	0
9	2	0	0	0	0	0	0	0	0
9	3	0	0	0	0	0	0	0	0
21	1	0	0	0	0	0	0	0	0
21	2	0	0	0	0	0	0	0	0
21	3	0	0	0	0	0	60	0	0
10	1	0	1	0	3	0	0	0	0
10	3	0	0	0	0	0	0	0	0
10	5	0	1	0	0	0	0	0	0
11	1	0	0	0	0	0	0	0	0
11	2	0	0	0	0	0	0	0	0
11	3	0	0	0	0	0	0	0	0
36	1	0	3	0	0	0	0	10	0
36	2	0	0	0	0	0	0	0	0
36	3	0	0	0	0	0	0	0	0
36	4	0	0	0	0	0	0	0	0
4	1	0	0	0	0	0	0	0	0
4	3	0	0	0	0	0	0	0	0
3	1	0	0	0	0	0	0	0	3
3	2	0	0	0	0	1	0	0	0
3	3	0	0	0	0	0	0	0	0
3	6	0	0	0	0	0	0	0	0
3	7	0	0	0	0	0	0	0	0
3	8	0	0	0	0	0	0	0	0
3	9	0	0	0	0	0	0	0	0
5	1	0	0	0	0	2	1	0	6
5	2	0	0	0	0	0	0	0	0
5	3	0	0	0	0	0	0	0	0
5	6	0	0	0	0	0	0	0	0
5	7	0	0	0	0	0	0	0	0
5	8	0	0	0	0	0	0	0	0
1	1	0	0	0	0	0	15	0	0
1	2	0	0	0	0	0	0	0	0
1	3	0	0	0	0	0	0	0	0
1	6	0	0	0	0	0	0	0	0
1	7	0	0	0	0	0	0	0	0
1	8	0	0	0	0	0	0	0	0
1	9	0	0	0	0	0	0	0	0
2	1	0	0	0	0	0	0	0	2
2	3	1	0	0	2	0	0	0	0
2	5	0	0	1	9	0	0	0	0
6	1	0	0	0	0	0	0	0	0
6	3	0	0	0	0	0	0	0	0
6	5	0	0	0	0	0	0	0	0
12	1	0	0	0	0	0	0	0	0
12	2	0	0	0	0	0	0	0	0

Table 19 cont'd

TRAN	STN	SANL	GREE	LINJ	SCUL	POAC	SOLE	SQUI
8	1	1	0	0	0	0	0	0
8	2	0	0	0	0	0	0	2
8	3	2	0	0	0	0	0	0
9	1	1	0	0	0	0	0	1
9	2	0	0	0	0	0	0	0
9	3	0	0	0	0	0	0	0
21	1	0	0	0	0	0	0	0
21	2	0	0	0	0	0	0	0
21	3	2	0	0	0	0	1	1
10	1	1	0	0	0	0	0	0
10	3	0	0	0	0	0	0	0
10	5	0	0	0	0	0	0	0
11	1	0	0	0	0	0	0	0
11	2	0	0	0	0	0	0	0
11	3	0	0	0	0	0	0	0
36	1	0	0	10	15	15	0	0
36	2	0	0	0	0	0	0	0
36	3	0	0	0	0	0	0	0
36	4	0	0	0	0	0	0	0
4	1	0	0	0	0	0	0	0
4	3	0	0	0	0	0	0	1
3	1	0	0	0	0	0	1	6
3	2	0	0	0	0	0	0	2
3	3	0	0	0	0	0	0	0
3	6	0	0	0	0	0	0	0
3	7	0	0	0	0	0	0	0
3	8	0	0	0	0	0	0	0
3	9	0	0	0	0	0	0	0
5	1	0	0	0	1	0	1	46
5	2	0	1	0	0	0	0	1
5	3	0	0	0	0	0	0	94
5	6	0	0	0	0	0	0	0
5	7	0	0	0	0	0	0	1
5	8	0	0	0	0	0	0	0
1	1	6	0	1	6	0	7	0
1	2	0	0	0	0	0	0	0
1	3	0	0	0	0	0	0	0
1	6	0	0	0	0	0	0	0
1	7	0	0	0	0	0	0	0
1	8	0	0	0	0	0	0	0
1	9	0	0	0	0	0	0	0
2	1	0	0	0	0	0	0	1
2	3	1	0	0	1	0	0	8
2	5	0	0	0	1	0	0	6
6	1	0	0	0	0	0	0	1
6	3	0	0	0	0	0	0	0
6	5	0	0	0	1	0	0	0
12	1	0	0	0	0	0	0	0
12	2	0	0	0	0	0	0	0

Table 20. Catch (n) on the mainland coast of the upper Strait of Georgia in Sept. 2000.

TRAN	STN	HERO	HER1	HER2	CHIN	CHUM	COHO	PINK	DOGF
19[1]	1	180	0	4	0	96	0	24	0
19[1]	2	379	0	0	4	11	1	1	0
19[1]	3	1366	0	0	5	11	0	9	0
8	1	96	1	0	1	24	0	2	0
8	2	81	1	0	4	2	0	0	0
8	4	307	0	0	7	1	0	0	0
20	1	137660	0	0	0	0	0	0	93
20	2	4731	0	0	0	0	0	0	30
20	3	19486	0	0	0	0	0	0	4
9	1	5241	6	2	7	6	0	0	0
9	2	924	2	0	1	3	0	0	0
9	3	1385	0	0	0	5	0	0	0
9	4	2012	0	0	2	18	1	0	0
9	5	3763	0	0	4	13	1	1	0
21	1	87	0	0	2	0	1	0	0
21	2	681	0	0	0	0	0	1	0
21	3	31	5	1	4	0	0	0	0
10	1	2830	8	0	8	0	0	0	0
10	2	4820	1	0	0	0	0	0	0
10	3	60	0	0	0	0	0	0	0
10	4	56	0	0	0	0	0	0	0
10	5	45	3	0	6	0	0	2	0
22	1	8476	0	0	1	0	0	0	0
22	2	166	0	0	2	0	0	0	0
22	3	56	0	0	3	1	0	0	0
11	1	121	6	0	4	0	0	0	0
11	2	545	4	0	2	3	0	0	0
11	3	1415	12	1	0	11	0	0	0
11	4	1630	10	2	2	20	0	0	0
11	5	388	7	2	3	43	0	0	0

[1] Transect 19 is usually grouped with the lower Johnstone Strait, but was included here.

Table 20 cont'd

TRAN	STN	ANCH	SMEJ	MIDS	HAKJ	HAKE	POLJ	STIC	PIPE
19[1]	1	0	0	200	0	0	0	0	0
19[1]	2	0	1	5	1	0	0	1	1
19[1]	3	0	0	0	2	0	0	0	0
8	1	0	2	17	0	0	0	0	0
8	2	0	3	0	0	0	0	0	0
8	4	0	0	170	0	0	0	0	0
20	1	0	0	0	0	0	0	0	0
20	2	0	0	0	54	0	0	0	0
20	3	0	0	0	88	0	0	0	0
9	1	3	0	0	0	0	0	1	0
9	2	0	1	0	26	0	0	0	0
9	3	2	0	0	428	0	0	2	0
9	4	0	0	0	6	0	0	0	0
9	5	0	0	0	4	0	0	0	0
21	1	0	0	0	0	0	0	0	0
21	2	0	0	0	9	0	0	0	0
21	3	0	11	0	0	0	0	0	0
10	1	2	4	0	0	0	0	16	0
10	2	0	0	0	10	0	0	11	0
10	3	0	0	0	40	0	0	2	0
10	4	0	0	0	28	0	0	1	0
10	5	1	0	0	0	0	0	0	0
22	1	0	4	0	0	0	0	1	0
22	2	0	37	0	0	0	0	15	0
22	3	0	1	0	3	0	0	2	0
11	1	7	77	0	0	0	1	43	0
11	2	0	0	0	0	2	0	2	0
11	3	1	0	0	24	0	0	4	0
11	4	0	0	0	8	0	0	3	0
11	5	0	0	0	34	0	0	7	0

[1] Transect 19 is usually grouped with the lower Johnstone Strait, but was included here.

Table 20 cont'd

TRAN	STN	SHIN	PRIC	GUNN	SANL	SQUI
19[1]	1	0	0	0	0	24
19[1]	2	0	0	0	0	0
19[1]	3	0	0	0	0	5
8	1	0	0	1	0	0
8	2	0	0	0	0	0
8	4	0	0	0	3	3
20	1	186	0	0	0	0
20	2	0	0	0	0	0
20	3	0	0	0	0	0
9	1	0	0	0	2	0
9	2	0	0	0	0	0
9	3	0	0	0	0	2
9	4	0	0	0	0	0
9	5	0	0	0	0	0
21	1	0	0	0	0	0
21	2	0	0	0	0	2
21	3	0	0	0	0	5
10	1	0	0	0	0	0
10	2	0	0	0	0	1
10	3	0	0	0	0	7
10	4	0	0	0	0	11
10	5	0	0	0	0	22
22	1	0	1	0	0	5
22	2	0	0	0	0	0
22	3	0	0	0	0	1
11	1	0	0	0	0	1
11	2	0	0	0	0	0
11	3	0	0	0	0	0
11	4	0	0	0	0	1
11	5	0	0	0	0	2

[1] Transect 19 is usually grouped with the lower Johnstone Strait, but was included here.

Table 21. Catch (n) on the Vancouver Is. shore of the Strait of Georgia in Sept. 2000.

TRAN	STN	HERO	HER1	HER2	CHIN	CHUM	COHO	PINK	SOCK
36	1	1	0	0	6	2	0	1	0
36	2	29	4	1	3	7	0	13	0
36	3	5	0	0	0	0	0	7	0
36	4	165	0	0	0	4	0	0	0
4	2	320	1	0	1	0	0	0	0
4	3	594	2	0	1	0	0	0	0
4	5	1162	0	0	0	0	0	0	0
3	1	67	3	0	0	14	0	0	0
3	2	319	300	0	1	17	0	0	0
3	3	2035	33	0	3	5	1	1	0
3	4	447	0	0	2	2	1	1	0
3	5	141	2	0	0	1	0	0	0
3	6	28	0	0	0	7	2	0	0
3	7	451	45	0	4	9	5	4	0
3	8	716	1	0	3	4	4	5	0
3	9	3812	0	0	0	0	0	0	0
16	1	1	1260	48	1	0	1	0	0
16	2	1725	59	4	6	9	3	1	0
16	3	42	18	0	0	4	2	1	0
15	1	22	5	0	6	1	1	0	0
15	2	0	0	0	1	1	0	0	0
15	3	1	0	0	1	0	0	0	0
5	1	151	1	1	11	2	1	0	0
5	2	107	0	0	4	10	1	0	0
5	3	200	0	0	3	2	2	0	0
5	4	34	0	0	1	4	0	0	0
5	5	11	0	0	0	8	0	1	0
5	6	5	0	0	0	21	1	2	0
5	7	1	0	0	1	4	1	2	0
5	8	0	0	0	0	22	10	4	0
14	1	12	0	0	0	1	0	0	0
14	2	114	1	0	1	0	0	0	0
14	3	8	0	0	4	0	0	0	0
1	1	7397	18	0	2	0	1	0	0
1	2	28	0	0	1	1	0	0	0
1	3	5	0	0	0	10	0	0	0
1	4	0	0	31	0	11	2	0	0
1	5	0	1	0	1	9	4	0	0
1	6	0	1	0	1	17	11	0	2
1	7	0	4	0	6	83	3	0	0
1	8	1372	5	0	5	11	0	0	1
1	9	1617	0	0	2	2	0	0	0

Table 21 cont'd

TRAN	STN	DOGF	ANCH	MIDS	HAKJ	HAKE	POLJ	STIC	PIPE	SHIN
36	1	0	0	12	0	0	0	0	0	1
36	2	0	0	0	0	0	0	0	0	0
36	3	0	0	0	0	0	0	0	0	0
36	4	0	0	0	0	0	0	0	0	0
4	2	1	0	40	0	0	0	2	1	0
4	3	2	0	20	0	0	0	12	1	0
4	5	2	0	0	0	0	38	375	0	0
3	1	0	1	1	0	0	0	0	0	0
3	2	0	1	18	0	0	0	0	0	0
3	3	0	0	5	0	0	2	0	0	0
3	4	0	0	0	0	0	3	0	0	0
3	5	0	0	0	0	0	0	0	1	0
3	6	0	0	0	0	0	0	0	0	0
3	7	0	0	0	0	0	0	0	0	0
3	8	0	0	0	0	0	0	0	0	0
3	9	0	0	0	0	0	0	0	0	0
16	1	0	2	0	0	0	0	0	0	0
16	2	0	0	1	0	0	0	0	0	0
16	3	0	0	6	0	0	0	0	0	0
15	1	0	0	100	0	0	0	0	1	0
15	2	0	0	0	0	0	0	0	0	0
15	3	0	0	0	0	0	0	0	0	0
5	1	0	0	0	0	0	0	0	0	2
5	2	0	0	16	0	0	0	0	0	0
5	3	0	0	7	0	0	0	0	0	0
5	4	0	0	3	0	0	0	0	0	0
5	5	0	0	0	1	0	0	0	0	0
5	6	0	0	0	1	0	0	0	0	0
5	7	0	0	0	17	0	0	0	0	0
5	8	0	0	0	1	0	0	4	0	0
14	1	0	0	0	0	0	22	0	1	0
14	2	0	0	0	0	0	0	0	2	0
14	3	0	0	1	0	0	0	1	0	0
1	1	0	0	1	1	0	0	0	0	2
1	2	0	0	0	0	0	0	0	0	0
1	3	0	0	0	0	0	0	0	0	0
1	4	0	0	0	0	0	0	0	0	0
1	5	0	0	0	0	0	0	0	0	0
1	6	0	0	0	0	0	0	0	0	0
1	7	0	0	0	520	0	0	0	0	0
1	8	0	1	0	800	0	0	0	0	0
1	9	0	0	0	1400	8	0	0	0	0

Table 21 cont'd

TRAN	STN	GUNN	SANL	GOBY	ROCK	GREE	LINJ	SCUL	SOLE	SQUI
36	1	0	4	0	0	0	0	4	0	0
36	2	0	0	0	0	0	0	0	0	0
36	3	0	0	0	0	0	0	0	0	4
36	4	0	0	0	0	0	0	0	0	0
4	2	20	1	0	0	0	0	0	0	4
4	3	15	3	0	0	0	0	0	0	1
4	5	12	0	0	0	0	0	12	0	0
3	1	4	45	0	0	0	0	0	0	8
3	2	1	1	0	0	0	0	0	0	0
3	3	0	0	0	0	0	0	0	0	0
3	4	0	0	0	0	0	0	0	0	6
3	5	0	0	0	0	0	0	0	0	6
3	6	0	0	0	0	0	0	0	0	0
3	7	0	0	0	0	0	0	0	0	0
3	8	0	0	0	0	0	0	0	0	0
3	9	0	0	0	0	0	0	0	0	0
16	1	1	2	0	0	0	0	1	0	4
16	2	0	1	0	0	0	0	0	0	10
16	3	0	0	0	0	0	0	0	0	0
15	1	0	2	1	0	1	0	0	0	1
15	2	0	0	0	0	0	0	0	0	0
15	3	0	0	0	0	0	0	0	0	0
5	1	10	1	0	0	0	1	6	3	3
5	2	0	0	0	0	0	0	0	0	0
5	3	1	0	0	0	0	0	0	0	2
5	4	0	0	0	0	0	0	0	0	0
5	5	0	0	0	0	0	0	0	0	0
5	6	0	0	0	0	0	0	0	0	0
5	7	0	0	0	0	0	0	0	0	0
5	8	0	0	0	0	0	0	0	0	0
14	1	0	0	0	1	0	0	0	0	5
14	2	0	0	0	2	0	0	0	0	300
14	3	0	0	0	0	0	0	0	0	200
1	1	0	0	0	0	0	1	5	17	0
1	2	0	0	0	0	0	0	0	0	0
1	3	0	0	0	0	0	0	0	0	0
1	4	0	0	0	0	0	0	0	0	0
1	5	0	0	0	0	0	0	0	0	0
1	6	0	0	0	0	0	0	0	0	0
1	7	0	0	0	0	0	0	0	0	0
1	8	0	0	0	0	0	0	0	0	1
1	9	0	0	0	0	0	0	0	0	0

Table 22. Catch (n) in the lower Strait of Georgia in September 2000.

TRAN	STN	HERO	HER1	HER2	CHIN	CHUM	COHO	PINK	SOCK
25	1	2940	0	0	1	0	1	0	0
25	2	927	2	0	0	4	0	0	0
25	3	12	0	2	3	5	1	5	0
25	4	0	3	0	1	10	1	0	1
2	1	3563	0	0	0	1	0	0	0
2	2	1200	2	0	1	0	0	0	0
2	3	17264	0	0	2	2	0	0	0
2	4	626	0	0	2	1	0	0	0
2	5	10389	0	0	1	0	0	0	0
13	1	293	5	0	6	0	0	0	0
13	2	9983	0	0	8	2	0	0	0
13	3	552	0	0	2	3	0	0	0
6	1	25	0	0	0	0	0	0	0
6	2	41	0	0	0	0	0	0	0
6	3	37	0	0	1	0	0	0	0
6	4	26	0	0	0	2	0	0	0
6	5	11	0	0	0	0	0	0	0
12	1	488	0	0	1	1	0	0	1
12	2	1005	0	0	0	0	0	0	0
12	3	2590	0	0	0	4	1	0	0

Table 22 cont'd

TRAN	STN	MIDS	HAKJ	HAKE	POLJ	STIC	SHIN	GUNN	SANL
25	1	2	0	0	0	0	0	0	3
25	2	0	1	0	0	0	0	0	1
25	3	0	8	1	0	0	0	0	0
25	4	0	18	0	0	0	0	0	0
2	1	0	0	0	0	0	0	5	0
2	2	0	1	0	5	0	0	0	0
2	3	2	0	0	0	0	0	0	0
2	4	0	0	0	0	0	0	0	0
2	5	0	0	0	0	0	0	0	0
13	1	2000	0	0	0	13	1	0	0
13	2	0	56	0	0	6	0	0	0
13	3	6	1	0	0	0	0	0	0
6	1	0	0	0	0	0	0	0	3
6	2	0	0	0	1	0	0	0	2
6	3	0	0	0	0	0	0	0	0
6	4	0	0	0	0	0	0	0	1
6	5	0	0	0	0	1	0	1	0
12	1	0	0	0	0	0	0	0	0
12	2	0	0	0	0	0	0	0	1
12	3	0	0	0	0	0	0	0	0

Table 22 cont'd

TRAN	STN	SCUL	SOLE	SQUI	SHRI
25	1	0	0	7	0
25	2	0	0	1	0
25	3	0	0	0	0
25	4	0	0	0	1
2	1	1	0	65	0
2	2	0	0	10	0
2	3	0	0	6	0
2	4	0	1	15	0
2	5	0	0	0	1
13	1	0	1	40	0
13	2	0	0	0	0
13	3	0	0	26	0
6	1	1	0	1	0
6	2	0	0	0	0
6	3	0	0	1	0
6	4	0	0	1	0
6	5	0	0	0	0
12	1	0	0	0	0
12	2	0	0	0	0
12	3	0	0	0	0

Table 23. Catch (n) on the mainland coast of the upper Strait of Georgia in Sept. 2001.

TRAN	STN	HERO	HER1	HER2	CHIN	CHUM	COHO	PINK	SOCK
19[1]	1	156	207	1	0	11	1	0	0
19[1]	2	2138	58	0	0	1	0	0	0
19[1]	3	4071	24	0	0	22	0	4	0
8	1	65	0	0	0	18	0	0	0
8	2	25	0	0	0	1	1	0	0
8	3	30	0	0	0	0	0	0	0
20	1	40	4454	0	0	0	0	0	0
20	2	88	0	0	1	0	0	0	0
20	3	148	0	0	0	0	0	0	0
9	1	87	27	0	3	4	0	1	1
9	2	377	73	0	0	5	0	0	0
9	3	366	344	0	0	4	0	0	0
9	4	56	38	0	0	10	0	0	0
9	5	274	75	0	2	13	0	0	0
21	1	611	87	0	2	2	0	0	0
21	2	120	17	0	2	2	0	0	0
10	1	1646	3	0	0	3	0	0	0
10	2	476	0	0	0	3	0	0	0
10	3	145	0	0	0	7	0	1	0
10	4	2	0	0	0	3	0	0	0
10	5	0	1	0	4	0	0	0	0
22	1	713	255278	97250	0	0	0	0	0
22	2	787	19	0	1	25	0	0	0
22	3	11407	20	0	4	12	0	0	0
11	1	40	57	0	14	48	0	0	0
11	2	85	1	0	0	59	0	0	0
11	3	16	7	0	0	14	1	0	1
11	4	9	4	0	0	3	1	0	0
11	5	0	0	0	1	10	1	0	0
37	1	0	0	0	2	0	0	0	0
37	2	0	0	0	1	0	0	0	0
37	3	32	0	0	2	0	0	0	0
37	4	4768	0	0	0	0	0	0	0
37	5	0	0	0	1	0	0	0	0

[1] Transect 19 is usually grouped with the lower Johnstone Strait, but was included here.

Table 23 cont'd

TRAN	STN	DOGF	ANCH	SMEJ	MIDS	HAKJ	POLJ	PCOD	STIC
19[1]	1	0	2	1	18	0	0	1	0
19[1]	2	0	0	41	0	3	0	0	1
19[1]	3	0	0	30	0	86	0	0	0
8	1	1	0	0	0	0	0	0	16
8	2	0	0	0	0	0	0	0	3
8	3	0	0	0	20	0	0	0	2
20	1	25	0	0	0	0	0	0	0
20	2	0	0	0	0	0	0	0	0
20	3	0	0	1	0	1	0	0	1
9	1	0	1	1	1	2	0	0	4
9	2	0	0	4	0	28	0	0	0
9	3	0	0	0	0	17	0	0	0
9	4	0	0	5	0	45	0	0	0
9	5	0	0	30	2	9	0	0	0
21	1	0	0	3	0	0	3	0	4
21	2	0	0	0	0	10	0	0	0
10	1	0	0	0	0	3	0	0	0
10	2	0	0	0	0	4	0	0	1
10	3	0	1	5	0	4	0	0	0
10	4	0	0	0	0	8	0	0	0
10	5	0	0	1	0	1	0	0	0
22	1	3	0	0	0	0	0	0	0
22	2	1	0	14	1	2	0	0	7
22	3	0	0	0	0	28	0	0	8
11	1	0	3	3	0	0	3	0	0
11	2	0	2	1	0	40	0	0	3
11	3	0	0	0	0	11	0	0	0
11	4	0	0	0	0	0	0	0	0
11	5	0	0	0	0	31	0	0	0
37	1	0	0	1	0	0	0	0	0
37	2	0	0	0	0	0	0	0	1
37	3	0	0	0	0	0	0	0	0
37	4	0	3	0	0	0	0	0	3
37	5	0	0	23	0	0	0	0	6

[1] Transect 19 is usually grouped with the lower Johnstone Strait, but was included here.

Table 23 cont'd

TRAN	STN	PIPE	SHIN	PRIC	SANL	SCUL	SOLE	SQUI	SHRI
19[1]	1	1	0	0	1	0	0	0	0
19[1]	2	0	0	0	2	0	0	1	0
19[1]	3	0	0	0	0	0	0	0	0
8	1	3	3	0	1	0	1	15	0
8	2	0	0	0	1	0	0	7	0
8	3	1	0	1	3	4	6	11	2
20	1	0	0	0	0	0	0	5	0
20	2	0	0	0	0	0	0	0	0
20	3	0	0	0	0	0	0	0	0
9	1	0	0	0	3	0	0	50	0
9	2	0	0	0	0	0	0	0	0
9	3	0	0	0	0	0	0	0	0
9	4	0	0	0	0	0	0	0	0
9	5	0	0	0	0	1	0	0	0
21	1	0	52	0	0	0	0	0	0
21	2	1	0	0	0	0	0	1	0
10	1	0	0	0	0	0	0	7	0
10	2	0	0	0	0	0	0	2	0
10	3	0	0	0	0	0	0	3	0
10	4	0	0	0	0	0	0	2	0
10	5	0	0	0	0	0	0	1	0
22	1	0	0	0	0	0	0	0	0
22	2	0	0	0	0	0	0	2	0
22	3	0	0	0	0	0	0	0	0
11	1	0	0	0	0	0	0	19	0
11	2	0	0	0	0	0	0	0	0
11	3	0	0	0	0	0	0	0	0
11	4	0	0	0	0	0	0	0	0
11	5	0	0	0	0	0	0	0	0
37	1	0	0	0	0	0	0	0	0
37	2	0	0	0	0	0	0	0	1
37	3	0	0	0	0	0	0	0	0
37	4	0	0	0	0	0	0	0	9
37	5	0	0	0	0	0	0	0	0

[1] Transect 19 is usually grouped with the lower Johnstone Strait, but was included here.

Table 24. Catch (n) on the Vancouver Is. shore of the upper Georgia Strait in Sept. 2001.

TRAN	STN	HERO	HER1	HER2	CHIN	CHUM	COHO	PINK	SOCK
36	1	178	0	1	0	0	0	0	0
36	2	0	0	0	0	8	36	0	4
36	3	898	0	0	1	2	0	0	0
36	4	1949	0	0	1	1	0	0	0
4	1	0	43	0	1	0	0	0	0
4	2	0	1	0	1	0	1	0	0
4	3	639	1	0	0	0	0	0	0
3	1	2	1	0	5	1	0	0	0
3	2	281	0	0	3	9	0	0	0
3	3	1624	18	0	1	0	0	0	0
3	4	2770	366	2	0	0	0	0	0
3	5	768	40	0	2	1	0	0	0
3	6	599	0	0	0	0	6	0	0
3	7	918	0	0	1	3	0	0	0
3	8	1215	1	0	0	1	1	0	0
3	9	558	0	0	0	0	1	0	0
16	1	1	270	6	2	3	0	1	0
16	2	1	9	0	7	4	12	0	0
16	3	11	7	0	3	4	0	0	0
15	1	60	1	0	3	1	0	0	0
15	2	3	0	0	0	1	1	0	0
15	3	1	1	0	1	0	3	0	0
5	1	3972	120	0	346	588	0	35	35
5	2	783	0	0	6	22	1	0	0
5	3	17	1	0	1	5	0	1	2
5	4	14	0	0	0	5	8	0	0
5	5	1	0	0	2	7	12	0	0
5	6	18	0	0	0	4	5	0	0
5	7	11	0	0	0	7	6	0	0
5	8	189	0	1	0	25	2	0	1
14	1	48	5	0	1	3	4	0	0
14	2	614	101	0	2	2	2	0	0
14	3	114	56	0	11	4	9	0	2
1	1	118523	2692	0	0	60	0	0	0
1	2	3371	118	0	5	19	1	1	0
1	3	904	30	0	0	18	3	0	0
1	4	454	2	0	1	13	2	0	0
1	5	819	0	0	0	57	0	0	0
1	6	46	0	0	0	39	9	0	0
1	7	0	0	0	0	18	16	0	0
1	8	0	0	0	3	18	3	0	0
1	9	0	10	0	1	19	3	1	0

Table 24 cont'd

TRAN	STN	DOGF	SARD	ANCH	SMEJ	MIDS	HAKJ	TOMC	STIC
36	1	0	0	0	30	15	0	0	1
36	2	0	0	0	0	0	0	0	0
36	3	0	0	0	0	1	80	0	0
36	4	0	0	0	1	2	22	0	0
4	1	1	1	238	0	1	0	0	0
4	2	0	0	0	0	80	0	0	0
4	3	0	0	0	0	80	0	0	0
3	1	0	3	0	0	7	0	0	0
3	2	0	0	0	0	14	0	0	0
3	3	0	0	0	0	9	0	0	0
3	4	0	0	0	0	0	0	0	0
3	5	0	0	0	0	0	0	0	0
3	6	0	0	0	0	0	0	0	0
3	7	0	0	0	0	0	0	0	0
3	8	0	0	0	0	5	0	0	0
3	9	0	0	0	0	4	0	0	0
16	1	0	0	0	0	300	0	0	0
16	2	0	0	0	0	30	0	0	0
16	3	0	0	0	0	0	0	0	0
15	1	0	0	0	0	0	0	0	0
15	2	0	0	0	0	0	0	0	0
15	3	0	0	0	0	20	0	0	0
5	1	0	0	0	0	0	0	16	0
5	2	0	0	0	0	0	0	0	0
5	3	0	0	0	0	0	0	0	0
5	4	0	0	0	0	0	0	0	0
5	5	0	0	0	0	0	0	0	0
5	6	0	0	0	0	0	1	0	0
5	7	0	0	0	0	0	26	0	0
5	8	0	0	1	0	0	9	0	0
14	1	0	0	0	0	0	0	0	0
14	2	0	0	1	0	1	0	0	0
14	3	0	0	0	0	2	0	0	0
1	1	0	0	0	0	30	0	0	0
1	2	0	0	0	0	0	0	0	0
1	3	0	0	0	0	0	0	0	0
1	4	0	0	0	0	0	0	0	0
1	5	0	0	0	0	0	1	0	0
1	6	0	0	0	0	0	4	0	0
1	7	0	0	0	0	0	20	0	0
1	8	0	0	0	0	0	35	0	1
1	9	0	0	0	0	0	7	0	0

Table 24 cont'd

TRAN	STN	PIPE	SHIN	PRIC	GUNN	SANL	SCUL	SOLE	SQUI	SHRI
36	1	0	0	0	2	2	0	0	37	0
36	2	0	0	0	0	0	0	0	0	0
36	3	0	0	0	0	0	0	0	3	0
36	4	0	0	0	0	0	0	0	3	0
4	1	0	20	2	0	0	1	0	2	0
4	2	2	0	1	7	0	0	0	0	0
4	3	0	0	0	2	1	3	0	25	0
3	1	0	0	0	0	1	0	0	25	0
3	2	0	0	0	5	0	0	0	3	0
3	3	0	0	0	0	0	0	0	0	0
3	4	0	0	0	0	0	0	0	0	0
3	5	0	0	0	0	2	0	0	0	0
3	6	0	0	0	0	0	0	0	0	0
3	7	0	0	0	0	1	0	0	0	0
3	8	0	0	0	0	0	2	0	0	0
3	9	0	0	0	0	0	0	0	0	0
16	1	0	3	0	1	4	3	0	40	2
16	2	1	0	0	0	0	0	0	20	0
16	3	0	0	0	0	0	0	0	0	0
15	1	0	0	0	1	1	0	0	3	0
15	2	0	0	0	0	0	0	0	30	0
15	3	0	0	0	3	2	0	0	50	0
5	1	0	8	0	0	0	0	0	0	0
5	2	0	1	0	0	0	0	0	1	0
5	3	0	0	0	0	0	0	0	0	0
5	4	0	0	0	0	0	0	0	0	0
5	5	0	0	0	0	0	0	0	0	0
5	6	1	0	0	0	0	0	0	0	0
5	7	1	0	0	0	0	0	0	2	0
5	8	0	0	0	0	0	0	0	8	0
14	1	0	0	0	0	0	0	0	0	0
14	2	0	0	0	1	0	0	0	3	0
14	3	0	0	0	0	0	0	0	0	0
1	1	0	210	0	0	0	30	150	90	0
1	2	0	0	0	0	0	0	0	1	0
1	3	0	0	0	0	0	0	0	0	0
1	4	0	0	0	0	0	0	0	1	0
1	5	0	0	0	0	0	0	0	10	0
1	6	0	0	0	0	0	0	0	6	0
1	7	0	0	0	0	0	0	0	5	0
1	8	1	0	0	0	0	0	0	8	0
1	9	0	0	0	0	0	0	0	5	0

Table 25. Catch (n) in the lower Strait of Georgia in September 2001.

TRAN	STN	HERO	HER1	CHIN	CHUM	COHO	SOCK	DOGF	SMEJ
25	1	2700	0	4	7	0	0	0	0
25	2	2149	78	3	2	0	0	0	9
25	3	408	0	0	2	0	0	3	0
25	4	0	0	1	37	1	3	0	0
2	1	10566	0	2	0	0	0	0	0
2	2	246	0	4	8	1	0	0	0
2	3	3706	0	3	5	0	0	0	0
2	4	241	0	2	2	1	0	0	0
2	5	235	0	1	6	0	0	0	0
13	1	165	3	4	8	0	0	0	0
13	2	6394	13	2	0	0	0	0	0
13	3	4125	13	5	1	0	0	0	0
6	1	450	0	0	2	0	0	0	0
6	2	35	0	0	0	0	0	0	0
6	3	41	0	0	4	0	0	0	0
6	4	60	0	0	0	0	0	0	0
6	5	200	0	2	5	0	0	0	0
12	1	3036	0	0	1	0	0	0	0
12	2	1539	0	0	2	0	0	0	0
12	3	607	0	0	2	0	0	0	0

Table 25 cont'd

TRAN	STN	MIDS	HAKJ	HAKE	TOMC	STIC	PIPE	SHIN	PRIC
25	1	0	0	0	0	0	0	0	0
25	2	0	0	0	0	0	0	0	0
25	3	0	1	9	0	1	0	0	0
25	4	0	1	0	0	0	0	0	0
2	1	7	0	0	0	231	0	0	0
2	2	2	0	0	0	0	0	0	0
2	3	1	0	0	0	0	0	1	0
2	4	0	0	0	0	0	1	0	0
2	5	1	0	0	0	2	0	0	0
13	1	56	0	0	0	2	1	2	0
13	2	7	103	0	0	1	0	0	0
13	3	5	1	0	0	2	0	0	0
6	1	2	0	0	0	0	0	0	1
6	2	1	0	0	0	0	0	0	0
6	3	0	0	0	0	0	0	0	0
6	4	0	0	0	0	2	0	0	0
6	5	2	0	0	1	2	0	0	0
12	1	0	0	0	0	0	1	0	0
12	2	0	0	0	0	0	0	0	0
12	3	0	0	0	0	0	0	0	0

Table 25 cont'd

TRAN	STN	GUNN	SANL	SCUL	SQUI	SHRI
25	1	0	0	0	0	1
25	2	0	0	0	11	0
25	3	0	0	0	5	0
25	4	0	0	0	12	0
2	1	3	3	0	33	0
2	2	0	0	0	6	0
2	3	1	0	0	24	0
2	4	0	0	0	7	0
2	5	0	0	2	30	0
13	1	1	0	0	203	0
13	2	0	0	0	5	0
13	3	0	0	0	146	0
6	1	0	3	0	40	0
6	2	0	0	0	1	0
6	3	0	0	0	14	0
6	4	0	4	0	14	0
6	5	0	0	0	75	0
12	1	0	2	0	9	0
12	2	0	0	0	0	0
12	3	0	0	0	2	0

Table 26. Catch (n) in the Strait of Georgia for the 1st trial in September 2002.

TRAN	STN	HERO	HER1	HER2	CHIN	CHUM	COHO	PINK	SOCK
8	1	4	0	0	2	0	0	0	0
8	2	5	0	0	0	1	0	0	0
8	3	0	0	0	0	0	0	0	0
9	1	144	0	0	7	7	0	1	0
9	2	1174	3	0	0	3	2	0	0
9	3	2217	5	1	0	1	1	1	0
9	4	4095	258	0	0	6	0	0	0
9	5	5030	60	0	0	30	0	0	0
10	1	4742	15	0	15	3	0	0	0
10	2	347	5	0	0	0	0	0	0
11	1	1023	267	0	19	0	0	2	20
11	2	1596	0	0	4	7	1	3	0
11	3	329	5	0	0	0	0	0	0
11	4	3097	3	0	0	4	0	1	0
11	5	0	0	0	0	2	0	0	0
4	1	3	4	0	0	0	0	0	0
4	2	1109	112	0	0	0	0	0	0
4	3	722	18	0	1	1	0	0	0
4	4	325	28	0	0	0	0	0	0
3	1	0	0	0	3	0	0	0	0
3	2	15	1	0	3	27	0	37	0
3	3	2297	71	2	0	8	0	38	0
3	4	7420	36	3	3	6	0	12	0
3	5	3282	8	0	0	8	0	24	0
5	1	0	0	0	15	80	0	305	0
5	2	17	0	0	1	6	0	5	0
5	3	4	0	0	1	0	0	2	0
5	4	0	0	0	1	1	1	2	0
5	5	0	0	0	0	1	2	0	0
1	1	426	0	0	10	56	6	98	0
1	2	1831	0	0	0	5	3	0	0
1	3	598	4	0	0	4	0	3	0
1	4	1525	2	0	3	7	0	0	0
1	5	868	0	0	2	5	1	0	0
2	1	3868	0	0	4	4	0	0	0
2	2	4394	0	0	0	2	0	0	0
2	3	986	0	0	5	0	0	0	0
2	4	389	0	0	2	1	0	0	0
2	5	197	0	0	1	0	0	0	0
6	1	54	0	0	0	5	3	0	0
6	2	67	0	0	1	0	0	0	0
6	3	10	0	0	1	0	0	0	0
6	4	95	0	0	0	1	0	0	0
6	5	8	0	0	2	3	0	0	0

Table 26 cont'd

TRAN	STN	DOGF	RATF	SMEJ	MIDS	HAKJ	POLJ	STIC	PIPE
8	1	0	0	0	2	0	0	0	0
8	2	0	0	0	0	0	0	0	0
8	3	0	0	0	0	0	0	0	1
9	1	0	0	8	0	0	0	0	1
9	2	0	0	16	0	0	0	0	0
9	3	0	0	0	0	0	0	0	0
9	4	0	0	3	0	0	3	25	0
9	5	0	0	0	0	0	0	0	0
10	1	0	0	0	0	0	0	0	0
10	2	0	0	0	0	3	1	1	0
11	1	0	0	1	0	0	0	204	0
11	2	0	0	0	0	0	0	0	0
11	3	0	0	0	0	0	0	3	0
11	4	0	0	0	0	0	1	1	0
11	5	0	0	0	0	0	0	0	0
4	1	2	0	1	20	0	1	0	0
4	2	0	0	0	18	0	1	0	0
4	3	0	0	0	4	0	1	1	0
4	4	0	0	0	8	0	0	0	1
3	1	0	1	0	20	0	0	0	1
3	2	0	0	0	2	0	0	0	0
3	3	2	0	0	0	0	0	0	0
3	4	0	0	0	0	0	0	0	0
3	5	0	0	0	0	0	0	0	0
5	1	0	0	0	30	0	0	5	0
5	2	0	0	0	0	0	0	0	0
5	3	0	0	0	1	0	0	0	0
5	4	0	0	0	0	0	0	0	0
5	5	0	0	0	0	0	0	0	0
1	1	0	0	0	2	0	0	0	0
1	2	0	0	0	0	0	0	0	0
1	3	0	0	0	0	0	0	0	0
1	4	0	0	0	0	0	6	0	0
1	5	0	0	0	0	0	0	0	1
2	1	0	0	2	0	0	0	0	20
2	2	0	0	0	0	0	0	0	0
2	3	0	0	0	1	0	0	0	0
2	4	0	0	0	0	0	0	0	0
2	5	0	0	0	0	0	0	0	0
6	1	0	0	0	0	0	0	0	0
6	2	0	0	0	0	0	0	0	0
6	3	0	0	0	0	0	0	0	0
6	4	0	0	0	0	0	0	0	0
6	5	0	0	0	0	0	0	0	0

Table 26 cont'd

TRAN	STN	SHIN	GUNN	SANL	GOBY	SCUL	POAC	SOLE	SQUI
8	1	0	0	0	0	0	0	0	0
8	2	0	1	0	0	0	0	0	0
8	3	0	2	0	0	0	0	0	0
9	1	0	0	1	0	0	0	0	28
9	2	0	1	0	0	0	0	0	0
9	3	0	0	24	0	0	0	0	0
9	4	0	0	0	0	0	0	0	0
9	5	0	0	0	0	0	0	0	0
10	1	0	0	0	0	0	0	0	0
10	2	0	0	0	0	0	0	0	0
11	1	0	0	0	0	0	0	0	7
11	2	0	0	0	0	0	0	0	0
11	3	0	0	0	0	0	0	0	0
11	4	0	0	0	0	0	0	0	0
11	5	0	0	0	0	0	0	0	0
4	1	0	8	0	2	0	0	1	13
4	2	10	5	0	0	2	1	0	17
4	3	2	0	0	0	0	0	0	6
4	4	0	3	0	0	0	0	0	8
3	1	0	0	3	0	3	1	6	0
3	2	0	0	0	0	0	0	0	0
3	3	0	0	0	0	0	0	0	0
3	4	0	0	0	0	0	0	0	160
3	5	0	0	0	0	0	0	0	193
5	1	0	0	0	0	0	0	0	0
5	2	0	0	0	0	0	0	0	0
5	3	0	0	0	0	0	0	0	5
5	4	0	0	0	0	0	0	0	0
5	5	0	0	0	0	0	0	0	0
1	1	31	0	0	0	12	1	1	0
1	2	0	0	0	0	0	0	0	0
1	3	0	0	0	0	0	0	0	0
1	4	0	0	0	0	0	0	0	2
1	5	0	0	0	0	0	0	0	3
2	1	4	0	0	0	2	0	0	0
2	2	0	0	0	0	0	0	0	34
2	3	0	0	0	0	0	0	0	77
2	4	0	0	0	0	0	0	1	7
2	5	0	0	0	0	0	0	0	19
6	1	0	0	0	0	0	0	0	0
6	2	0	0	0	0	0	0	0	0
6	3	0	0	0	0	0	0	0	0
6	4	0	0	0	0	0	0	0	8
6	5	0	0	0	0	0	0	0	5

Table 27. Catch (n) in the Strait of Georgia for the 2nd trial in September 2002.

TRAN	STN	HERO	HER1	HER2	CHIN	CHUM	COHO	PINK	SOCK
9	1	1384	2	0	18	3	1	0	2
9	2	2776	4	0	0	1	0	0	0
9	3	3238	27	0	0	5	0	3	0
9	4	5065	3	0	0	6	0	6	0
9	5	3009	18	0	0	4	0	0	0
11	1	210	0	0	0	21	0	21	0
11	2	1339	0	0	0	0	0	0	0
11	3	60	3	0	2	5	0	1	0
11	4	29	4	0	0	10	0	1	0
11	5	4	0	0	0	0	0	0	0
4	1	6	22	0	2	0	0	0	0
4	2	66	57	0	0	0	0	0	0
4	3	52	1	0	0	0	0	0	0
4	4	3656	20	0	0	0	0	0	0
3	2	574	10	0	4	5	1	11	0
3	3	1694	32	0	2	4	0	10	0
3	4	8434	12	0	0	4	0	0	0
3	5	3448	4	0	3	7	0	8	0
5	1	35	2	0	2	21	0	21	0
5	2	4	0	0	1	4	0	2	0
5	3	4	0	0	1	3	0	0	0
5	4	0	0	0	1	2	2	0	0
5	5	0	0	0	0	1	3	2	0
1	5	1793	0	0	0	6	0	6	0
2	1	57	0	0	6	2	0	0	0
2	2	2813	0	0	3	4	0	0	0
2	3	800	0	0	6	3	0	0	0
2	4	601	2	0	3	1	0	0	0
2	5	267	0	0	0	2	1	0	0
6	1	4	0	5	0	0	0	0	0
6	2	6	0	0	0	0	0	4	0
6	3	9	0	0	0	1	0	0	0
6	4	6	0	0	0	2	0	1	0
6	5	10	0	0	1	3	0	0	0

Table 27 cont'd

TRAN	STN	DOGF	SKAT	ANCH	SMEJ	MIDS	HAKJ	POLJ	STIC
9	1	0	0	0	44	0	0	41	1
9	2	0	0	0	5	0	0	0	3
9	3	0	0	0	3	0	0	0	0
9	4	0	0	0	0	0	0	0	0
9	5	0	0	0	0	0	0	0	0
11	1	0	0	0	93988	0	0	0	0
11	2	0	0	0	11	0	0	0	0
11	3	0	0	0	0	0	0	0	4
11	4	0	0	0	0	0	0	0	0
11	5	0	0	0	0	0	7	0	1
4	1	0	0	0	0	23	0	0	0
4	2	0	0	1	1	12	0	0	0
4	3	1	0	0	2	0	0	0	1
4	4	0	0	0	5	35	0	0	0
3	2	0	0	0	0	12	0	0	0
3	3	0	0	0	0	13	0	0	0
3	4	0	0	4	0	0	0	4	0
3	5	0	0	0	0	0	0	8	0
5	1	0	1	2	0	0	0	0	0
5	2	0	0	0	0	1	0	0	0
5	3	0	0	0	0	1	0	0	0
5	4	0	0	0	0	0	0	0	0
5	5	0	0	0	0	0	0	1	0
1	5	0	0	0	0	0	0	0	0
2	1	0	0	0	0	0	0	0	0
2	2	0	0	0	0	0	0	0	1
2	3	0	0	0	1	0	0	0	4
2	4	0	0	0	0	1	0	2	3
2	5	0	0	0	0	0	0	0	0
6	1	0	0	0	0	0	0	0	0
6	2	0	0	0	0	0	0	1	0
6	3	0	0	0	0	0	0	0	0
6	4	0	0	0	0	0	0	0	0
6	5	0	0	0	0	0	0	1	2

Table 27 cont'd

TRAN	STN	PIPE	SHIN	GUNN	GOBY	LINJ	SCUL	SOLE	SQUI	SHRI
9	1	1	0	0	0	0	0	0	0	8
9	2	0	0	0	0	0	0	0	0	0
9	3	0	0	0	0	0	0	0	0	0
9	4	0	0	0	0	0	0	0	0	0
9	5	0	0	0	0	0	0	0	0	0
11	1	0	21	0	0	0	0	0	0	21
11	2	0	0	0	0	0	0	0	0	0
11	3	0	0	0	0	0	0	0	0	0
11	4	0	0	0	0	0	0	0	0	0
11	5	0	0	0	0	0	0	0	0	0
4	1	1	23	2	1	0	1	2	0	17
4	2	0	5	2	1	0	1	0	0	16
4	3	0	0	7	1	0	0	0	0	16
4	4	3	0	8	0	0	0	0	0	25
3	2	0	0	2	0	0	0	0	0	0
3	3	0	0	0	0	0	0	2	0	80
3	4	0	0	0	0	0	0	0	0	1979
3	5	0	0	0	0	0	0	0	0	0
5	1	1	1	2	0	1	1	3	0	100
5	2	0	0	2	0	0	0	0	0	30
5	3	0	0	0	0	0	0	0	0	10
5	4	0	0	0	0	0	0	0	0	0
5	5	0	0	0	0	0	0	0	0	0
1	5	0	0	0	0	0	0	0	0	0
2	1	0	0	0	0	0	0	0	0	0
2	2	0	0	0	0	0	1	0	0	43
2	3	0	0	0	0	0	0	0	0	152
2	4	0	0	0	0	0	0	0	0	58
2	5	0	0	0	0	0	1	0	0	487
6	1	0	0	0	0	0	0	0	0	0
6	2	0	0	0	0	0	0	0	0	0
6	3	0	0	0	0	0	0	0	0	50
6	4	0	0	0	0	0	0	0	0	7
6	5	0	0	0	0	0	0	0	0	30

Table 28. Catch (n) in the Strait of Georgia in September, 2003.

TRAN	STN	HERO	HER1	HER2	CHIN	CHUM	COHO	PINK	ANCH
8	2	21	1	0	1	4	0	0	0
8	3	0	1	0	0	0	0	0	0
9	1	24	1	0	2	0	0	0	0
9	2	5	2	0	0	0	0	0	0
9	3	3	0	0	0	0	0	0	1
9	4	2	1	0	0	0	0	0	0
9	5	0	0	0	1	1	0	0	0
10	1	200	897	0	3	0	0	0	0
10	2	1685	2	0	3	0	0	0	0
10	3	8	1	0	0	0	0	0	0
10	4	10	1	0	0	0	0	0	0
10	5	5	16	0	0	0	0	0	0
11	1	651	4	0	38	0	0	3	1
11	2	2608	828	2	6	0	0	0	0
11	3	1055	232	0	0	11	0	0	0
11	4	503	11	0	0	2	0	0	0
11	5	56	0	0	0	0	0	4	0
4	1	1	0	0	1	0	0	0	0
4	2	1	0	0	1	0	0	0	0
4	3	27	0	0	0	0	0	0	0
4	4	176	0	0	0	0	0	0	1
3	1	5	0	0	1	0	1	0	0
3	2	24	142	0	0	0	0	0	0
3	3	7	324	6	5	1	0	0	0
3	4	8	38	0	3	0	0	0	0
3	5	6	0	0	0	0	0	0	0
5	1	106	10	0	1	0	0	0	0
5	2	0	0	0	3	0	0	0	0
5	3	0	0	0	1	0	0	0	0
5	4	0	0	0	0	0	0	0	0
5	5	0	0	0	0	16	0	0	0
1	1	2546	212	0	2	0	0	0	0
1	2	7471	0	0	0	0	0	6	0
1	3	1057		0	1	9	0	0	0
1	4	1185	3	0	0	5	0	0	0
1	5	0	0	0	0	21	0	0	0
2	1	36	0	0	1	0	0	0	0
2	2	32	2	0	1	1	0	0	0
2	3	78	0	0	2	1	0	0	0
2	4	62	0	0	1	2	0	0	0
2	5	133	1	0	1	4	0	0	0
6	1	8	0	0	0	0	0	0	0
6	2	9	0	0	0	1	0	0	0
6	3	7	0	0	0	0	0	0	0
6	4	14	0	0	0	1	0	0	0
6	5	77	0	0	0	0	0	0	0

Table 28 cont'd

TRAN	STN	GORB	SMEA	MIDS	HAKJ	POLJ	STIC	PIPE	SHIN
8	2	0	0	0	0	0	0	0	0
8	3	0	0	0	0	0	0	0	0
9	1	0	12	0	0	0	0	0	0
9	2	0	0	0	5	0	n/a	0	0
9	3	0	1	0	7	0	0	0	0
9	4	0	2	0	11	0	0	0	0
9	5	0	0	0	0	0	0	0	0
10	1	0	n/a	0	0	n/a	0	0	35
10	2	0	0	0	n/a	0	0	0	0
10	3	0	0	0	n/a	0	0	0	0
10	4	0	0	0	n/a	0	0	0	0
10	5	0	0	0	0	0	0	0	0
11	1	0	22	0	0	0	2	0	14
11	2	0	0	0	52	0	0	0	0
11	3	0	0	0	n/a	0	0	0	0
11	4	0	0	0	61	49	0	0	0
11	5	0	0	0	n/a	4	0	0	0
4	1	0	0	0	0	0	0	0	0
4	2	0	0	0	0	0	0	0	0
4	3	0	0	1	0	0	0	0	0
4	4	0	0	8	0	0	0	0	0
3	1	0	0	15	0	0	0	0	18
3	2	0	0	75	0	0	0	0	0
3	3	0	0	0	0	0	0	0	0
3	4	0	0	1	0	0	0	0	0
3	5	0	0	0	0	0	0	0	0
5	1	0	0	0	0	0	0	3	8
5	2	0	0	2	0	0	0	0	0
5	3	0	0	43	0	0	0	0	0
5	4	0	0	0	0	0	0	0	0
5	5	1	0	0	0	0	0	0	0
1	1	0	0	1	0	0	0	0	0
1	2	0	0	0	0	0	0	0	0
1	3	0	0	0	4	1	0	1	0
1	4	0	0	0	7	0	0	0	0
1	5	0	0	0	0	0	0	0	0
2	1	0	0	4	0	0	0	0	0
2	2	0	0	9	0	0	0	0	0
2	3	0	0	0	0	0	12	0	0
2	4	0	0	0	0	0	0	0	0
2	5	0	0	0	0	0	0	0	0
6	1	0	0	0	0	0	0	0	0
6	2	0	0	0	0	0	0	0	0
6	3	0	0	0	0	0	0	0	0
6	4	0	0	0	0	0	0	0	0
6	5	0	0	0	0	0	0	0	0

Table 28 cont'd

TRAN	STN	GUNN	SANL	SCUL	SNAI	SOLE	SQUI
8	2	0	0	0	0	0	3
8	3	0	0	0	0	1	n/a
9	1	0	0	0	0	0	0
9	2	0	0	0	0	0	0
9	3	0	0	0	0	0	0
9	4	0	0	0	0	0	0
9	5	0	0	0	0	0	0
10	1	0	0	0	0	0	n/a
10	2	0	0	0	0	0	0
10	3	0	0	0	0	0	3
10	4	0	0	0	0	0	0
10	5	0	0	0	0	0	12
11	1	0	0	0	0	0	24
11	2	0	0	0	0	0	0
11	3	0	0	0	0	0	0
11	4	0	0	0	0	0	0
11	5	0	0	0	0	0	0
4	1	0	0	0	0	0	0
4	2	0	0	0	0	0	0
4	3	5	0	1	1	0	23
4	4	3	0	0	0	0	8
3	1	0	1	0	0	1	n/a
3	2	5	0	0	0	0	n/a
3	3	0	0	0	0	0	0
3	4	1	0	0	0	0	1
3	5	0	0	2	0	0	0
5	1	1	0	0	0	2	18
5	2	0	0	0	0	0	0
5	3	0	0	0	0	0	0
5	4	0	0	0	0	0	0
5	5	0	0	0	0	0	0
1	1	0	0	0	0	0	5
1	2	0	0	0	0	0	0
1	3	0	0	0	0	0	2
1	4	0	0	0	0	0	3
1	5	0	0	0	0	0	0
2	1	0	0	0	0	0	n/a
2	2	0	0	0	0	0	n/a
2	3	0	0	0	0	1	n/a
2	4	0	0	0	0	0	n/a
2	5	0	1	0	0	0	0
6	1	0	0	0	0	0	0
6	2	0	0	0	0	0	5
6	3	0	0	0	0	0	4
6	4	0	0	0	0	0	n/a
6	5	0	0	0	0	0	n/a

Table 29. Length (mm) distribution of 0+ herring in June 1996, by region[1].

LENGTH	USG-ML	USG-VI	LSG
26			
27			
28			
29		1	
30		2	
31			
32		2	
33	1	1	
34	1	5	2
35	2	21	2
36	6	27	3
37	9	37	1
38	9	34	3
39	15	83	2
40	25	98	4
41	17	122	6
42	20	125	2
43	26	129	6
44	15	125	8
45	20	162	3
46	24	140	1
47	17	90	3
48	20	80	
49	32	81	1
50	30	79	1
51	26	48	3
52	34	41	3
53	30	23	1
54	18	17	
55	30	14	1
56	21	17	
57	25	8	1
58	26	9	
59	24	2	
60	29	2	
61	18	1	
62	22		
63	10		
64	4		
65	2		
66	1		
67	1		
68			
69			
70			
71			
72			
73			
74			
75			
TOTAL	**610**	**1626**	**57**

[1] USG-ML = upper Strait of Georgia – mainland shore; USG-VI = upper Strait of Georgia – Vancouver Island shore; LSG = lower Strait of Georgia.

Table 30. Length (mm) distribution of 0+ herring in June 1997, by region[1].

LENGTH	LJS	USG-ML	USG-VI	LSG
26		1	1	
27				
28		3	4	
29		8	5	
30	2	8	7	
31	1	19	9	
32	4	29	33	4
33	7	27	37	6
34	16	44	65	10
35	39	71	120	12
36	39	120	134	29
37	49	148	143	26
38	42	204	194	37
39	39	213	207	35
40	56	305	338	49
41	52	301	281	46
42	35	274	298	35
43	59	261	307	42
44	29	235	288	27
45	39	292	313	27
46	22	255	251	35
47	17	214	216	23
48	9	164	176	24
49	14	177	142	25
50	10	193	120	19
51	5	126	78	19
52	4	93	54	14
53	2	88	41	11
54	1	65	15	7
55	1	64	17	2
56	1	59	11	3
57	1	45	4	1
58		29	1	
59		26	1	
60		20		
61	1	13		
62		13		
63		8		
64		14		
65		9		
66		3		
67		3		
68		1		
69		2		
70		1		
71				
72		1		
73				
74				
75				
TOTAL	**596**	**4249**	**3911**	**568**

[1] LJS = lower Johnstone Strait; USG-ML = upper Strait of Georgia – mainland shore; USG-VI = upper Strait of Georgia – Vancouver Island shore; LSG = lower Strait of Georgia.

Table 31. Length (mm) distribution of 0+ herring in June 2000, by region[1].

LENGTH	USG-ML	USG-VI	LSG
26			
27			
28			
29			
30			
31			
32	1	3	
33		4	
34	3		
35	7	4	
36	17	6	
37	29	6	1
38	40	17	
39	52	12	
40	56	36	4
41	66	15	
42	96	21	3
43	96	24	10
44	70	20	10
45	49	28	22
46	51	27	14
47	34	33	24
48	50	18	31
49	26	20	31
50	49	40	68
51	31	29	44
52	49	35	35
53	35	33	39
54	30	40	44
55	30	53	37
56	28	54	27
57	34	67	30
58	36	58	30
59	31	53	16
60	19	94	23
61	17	60	8
62	16	81	13
63	9	69	9
64	8	61	5
65	4	64	5
66	3	55	6
67		43	1
68	1	27	3
69	1	13	4
70	2	13	1
71		7	
72		8	
73		7	
74			
75		1	
TOTAL	**1176**	**1359**	**598**

[1] USG-ML = upper Strait of Georgia – mainland shore; USG-VI = upper Strait of Georgia – Vancouver Island shore; LSG = lower Strait of Georgia.

Table 32. Length (mm) distribution of 0+ herring in June 2001, by region[1].

LENGTH	USG-ML	USG-VI	LSG
26			
27			
28			
29			
30	2		
31			
32		1	
33	2		1
34	1		
35	11	1	
36	15		1
37	14	1	
38	29	2	2
39	42	2	2
40	83	3	13
41	88	5	17
42	149	8	30
43	125	8	23
44	125	12	25
45	207	24	36
46	121	30	28
47	97	37	18
48	81	47	12
49	47	51	8
50	79	136	16
51	44	101	4
52	32	130	2
53	40	131	3
54	26	59	
55	45	115	2
56	37	96	
57	30	38	
58	37	38	1
59	30	15	1
60	58	23	
61	27	4	
62	33	4	
63	17	3	
64	16		
65	22	3	
66	7		
67	4		
68	5		
69	2		
70	2		
71			
72			
73			
74			
75			
TOTAL	**1832**	**1158**	**245**

[1] USG-ML = upper Strait of Georgia – mainland shore; USG-VI = upper Strait of Georgia – Vancouver Island shore; LSG = lower Strait of Georgia.

Table 33. Length (mm) distribution of 1+ herring in June 1996, by region[1].

LENGTH	USG-ML	USG-VI	LSG	LENGTH	USG—ML	USG-VI	LSG
≤80	1		1	121	52	72	43
81			1	122	33	73	44
82				123	46	68	32
83			1	124	43	70	49
84				125	36	88	41
85			3	126	29	75	32
86			1	127	37	54	22
87				128	21	59	32
88				129	29	69	27
89				130	22	60	20
90			6	131	16	55	11
91			2	132	13	48	22
92			7	133	8	33	15
93			4	134	10	30	14
94			5	135	12	26	15
95	1		6	136	12	18	3
96		1	9	137	4	16	5
97	3		3	138	7	11	2
98	2		9	139	2	19	4
99			16	140	3	12	3
100	3	3	26	141	1	11	2
101	4	1	17	142		9	3
102	3	4	26	143		3	3
103	7	5	24	144	1	4	
104	9	4	33	145		8	1
105	12	1	39	146	3	3	
106	12	4	36	147		6	
107	11	8	38	148			
108	13	5	14	149		1	
109	12	24	66	150		4	
110	28	28	75	151		2	
111	30	20	57	152		10	1
112	41	39	62	153		4	
113	59	35	44	154		5	
114	37	32	57	155		4	
115	71	59	71	156		6	
116	57	41	68	157		7	
117	57	52	60	158		5	
118	50	62	37	159		6	1
119	58	69	62	160		5	
120	61	94	80	161		1	
				TOTAL	**1084**	**1651**	**1513**

[1] USG-ML = upper Strait of Georgia – mainland shore; USG-VI = upper Strait of Georgia – Vancouver Island shore; LSG = lower Strait of Georgia.

Table 34. Length (mm) distribution of 1+ herring in June 1997, by region[1].

LENGTH	LJS	USG-ML	USG-VI	LSG	LENGTH	LJS	USG—ML	USG-VI	LSG
≤80					121	2	48	86	90
81					122	2	58	106	70
82					123	10	44	114	58
83					124	11	56	134	48
84					125	10	62	138	55
85					126	15	62	107	33
86					127	5	70	112	29
87					128	11	68	117	26
88					129	4	59	129	16
89					130	11	69	120	16
90				1	131	4	56	85	9
91					132	5	55	99	17
92					133	4	52	96	7
93					134	7	26	57	4
94					135	4	65	76	6
95		1		1	136	4	31	60	6
96		1			137	4	28	40	1
97					138	2	21	35	3
98			1		139	4	17	39	1
99		1	4		140		19	29	
100	1	3	1		141	2	18	32	1
101		1	4	2	142	1	14	15	1
102		3	6	3	143		8	10	2
103	1	1	2	2	144	2	7	12	1
104	1	8	4	7	145		5	14	
105		10	8	6	146	1	2	12	
106	1	9	7	5	147		5	8	
107		16	2	8	148		5	13	
108	1	13	8	7	149		7	13	
109	1	17	17	13	150		2	6	
110	1	24	14	24	151		1	6	
111	1	26	15	24	152		1	1	
112	1	20	17	33	153		2	4	
113	3	30	30	40	154			11	
114	3	31	29	38	155			5	
115	3	33	55	50	156		2	5	
116	4	30	47	66	157		1	5	
117	4	36	44	64	158			5	
118	3	44	85	53	159			6	
119	5	36	74	76	160		1		
120	3	53	127	87	161		1	2	
					TOTAL	**162**	**1495**	**2565**	**1110**

[1] LJS = lower Johnstone Strait; USG-ML = upper Strait of Georgia – mainland shore; USG-VI = upper Strait of Georgia – Vancouver Island shore; LSG = lower Strait of Georgia.

Table 35. Length (mm) distribution of 1+ herring in June 2000, by region[1].

LENGTH	LJS	USG-ML	USG-VI	LSG	LENGTH	LJS	USG—ML	USG-VI	LSG
≤80				1	121	4	40	13	3
81					122	7	51	14	6
82					123	3	39	12	4
83					124	3	40	13	6
84				1	125	5	34	22	5
85				1	126	3	30	20	1
86				1	127	6	36	27	2
87					128	6	17	19	2
88		1		1	129	1	23	19	3
89		1			130	6	28	33	3
90				4	131	2	26	10	
91		1			132	6	10	17	1
92				3	133	4	17	23	
93		1		3	134	4	8	15	
94		1		6	135	6	18	15	4
95		2		8	136	4	14	11	1
96				1	137	4	7	12	
97		1	1	4	138	4	8	6	3
98		2		9	139	1	7	7	
99		6		6	140	3	3	17	2
100		4		18	141	1	3	5	
101		8		8	142	3	3	7	
102		9	1	10	143			6	
103	2	18		15	144	3	4	4	
104		21	2	16	145		1	3	
105		29	1	37	146			4	
106	2	20		17	147	2	2	2	
107	1	32		13	148	1		2	
108	1	37	4	22	149				
109	1	26		15	150	1		1	
110	2	52	3	44	151				
111		41	6	14	152				
112	4	40	4	11	153				
113	4	44	4	12	154				
114	2	44	5	8	155				
115	4	47	6	18	156				
116		55	7	11	157				
117	5	69	10	13	158		1		
118	2	61	9	9	159				
119	2	51	8	3	160				
120	3	71	19	12	161		1	1	
					TOTAL	**128**	**1267**	**450**	**421**

[1] LJS = lower Johnstone Strait; USG-ML = upper Strait of Georgia – mainland shore; USG-VI = upper Strait of Georgia – Vancouver Island shore; LSG = lower Strait of Georgia.

Table 36. Length (mm) distribution of 1+ herring in June 2001, by region[1].

LENGTH	USG-ML	USG-VI	LSG	LENGTH	USG—ML	USG-VI	LSG
≤80				121	74	28	8
81				122	105	43	16
82				123	84	29	8
83				124	66	28	2
84				125	87	36	13
85	1			126	63	26	5
86			1	127	57	29	2
87			1	128	48	35	4
88			2	129	23	21	3
89			3	130	30	39	7
90			5	131	22	25	2
91			7	132	26	23	4
92			11	133	17	18	2
93			11	134	16	11	4
94	1		16	135	20	29	4
95	3		25	136	12	11	4
96	2		12	137	4	11	1
97	3	1	28	138	5	9	1
98	8	3	35	139	1	5	1
99	7	1	29	140	5	14	4
100	15	1	43	141	3	9	
101	12	1	25	142	3	3	1
102	22	1	50	143	2	3	1
103	22	8	44	144	1	1	
104	22	2	54	145			
105	51	5	70	146	1		
106	42	2	38	147		1	
107	44	8	41	148			
108	61	9	41	149			
109	40	3	27	150			
110	92	19	60	151			
111	57	13	26	152			
112	90	19	50	153			
113	72	13	21	154		1	
114	74	23	17	155			
115	135	26	30	156			
116	103	25	16	157			
117	88	30	20	158			
118	106	36	10	159			
119	82	21	18	160			
120	137	52	18	161			
				TOTAL	**2167**	**810**	**1002**

[1] USG-ML = upper Strait of Georgia – mainland shore; USG-VI = upper Strait of Georgia – Vancouver Island shore; LSG = lower Strait of Georgia.

Table 37. Length (mm) distribution of 0+ herring in September 1996, by region[1].

LENGTH	USG-ML	USG-VI	LSG	LENGTH	USG—ML	USG-VI	LSG
≤55				90	221	271	57
56				91	89	96	23
57				92	129	105	27
58				93	141	81	27
59				94	107	49	21
60				95	149	67	26
61				96	103	38	19
62				97	76	24	12
63				98	66	29	17
64				99	63	25	10
65				100	113	51	20
66				101	20	14	11
67				102	32	19	9
68				103	12	24	10
69	1	1		104	15	16	8
70	1			105	13	20	2
71				106	9	10	2
72	3	1		107	3	8	2
73		1		108	3	9	6
74		2		109	1	9	1
75	4			110	5	11	5
76	4	3		111	1	5	1
77	3			112	1	5	1
78	2	5		113	1	6	3
79	2	6	1	114	1	2	4
80	12	12		115			
81	2	10	4	116			
82	9	18	5	117			
83	12	37	6	118			
84	24	51	13	119			
85	38	99	21	120			
86	55	106	30	121			
87	62	92	28	122			
88	74	139	33	123			
89	94	152	38	≥124			
				TOTAL	**1776**	**1729**	**503**

[1] USG-ML = upper Strait of Georgia – mainland shore; USG-VI = upper Strait of Georgia – Vancouver Island shore; LSG = lower Strait of Georgia.

Table 38. Length (mm) distribution of 0+ herring in September 1997, by region[1].

LENGTH	LJS	USG-ML	USG-VI	LSG	LENGTH	LJS	USG-ML	USG-VI	LSG
≤55					90	5	51	9	8
56					91	8	50	6	6
57		1			92	9	35	4	2
58				2	93	5	13	3	3
59				2	94	5	14	2	1
60				2	95	1	13	3	3
61				11	96	2	7	2	
62				23	97	4	6	3	1
63		1		42	98		1	3	
64		1	2	45	99	2	2	1	
65				68	100	1	3	1	
66				91	101		2		
67		3	5	109	102			1	
68		5	7	98	103	1		1	
69		5	8	102	104	1			
70	2	14	13	138	105		2	1	
71	7	34	35	152	106				
72	10	40	45	143	107				
73	10	68	71	139	108				1
74	21	97	71	120	109				
75	18	125	83	143	110		2		
76	28	214	119	142	111	1	1		
77	28	265	110	107	112			1	
78	15	309	126	102	113				
79	26	417	130	81	114				
80	21	350	117	110	115				
81	30	421	118	76	116				
82	19	382	86	82	117				
83	10	321	58	65	118				
84	15	303	57	52	119				
85	18	235	51	41	120				
86	16	183	51	29	121				
87	18	109	25	26	122				
88	11	84	14	18	123				
89	14	67	17	14	≥124				
					TOTAL	**382**	**4256**	**1460**	**2400**

[1] LJS = lower Johnstone Strait; USG-ML = upper Strait of Georgia – mainland shore; USG-VI = upper Strait of Georgia – Vancouver Island shore; LSG = lower Strait of Georgia.

Table 39. Length (mm) distribution of 0+ herring in September 1998, by region[1].

LENGTH	UJS	LJS	USG-ML	USG-VI	LSG	LENGTH	UJS	LJS	USG-ML	USG-VI	LSG
≤55		5				90	46	139	58	29	169
56		2				91	62	126	76	21	113
57		1				92	46	98	86	32	43
58		2				93	70	112	98	41	40
59		1				94	64	73	119	32	20
60		3				95	97	89	146	54	24
61		3				96	83	64	131	42	12
62		11				97	88	72	166	46	11
63		16				98	93	51	191	47	13
64		17				99	122	36	193	56	8
65		33				100	107	40	232	56	9
66	1	32			1	101	86	32	194	67	11
67		37				102	95	31	232	64	10
68		59				103	88	30	185	69	13
69	1	54				104	69	18	205	68	7
70	1	103				105	93	15	193	80	6
71		91				106	49	6	210	71	12
72		106			1	107	47	11	180	71	6
73	3	134				108	40	7	157	69	5
74	1	117				109	45	2	137	69	9
75	7	164			1	110	43	3	150	63	6
76	13	166			3	111	23	2	94	54	3
77	10	168			6	112	28	2	80	41	1
78	9	169			13	113	21	3	69	39	2
79	20	208			17	114	26	4	77	38	1
80	19	197		1	22	115	10	3	12	24	2
81	31	172	1	1	65	116					
82	25	169	2	1	114	117			1		
83	24	157	3	1	183	118					
84	40	109	8	4	205	119			1	1	
85	44	143	17	3	333	120					
86	36	127	14	13	300	121					
87	31	126	20	12	265	122					
88	42	134	33	14	249	123					
89	63	151	50	19	193	≥124					
						TOTAL	**2062**	**4256**	**3821**	**1413**	**2527**

[1] UJS = upper Johnstone Strait, LJS = lower Johnstone Strait; USG-ML = upper Strait of Georgia – mainland shore; USG-VI = upper Strait of Georgia – Vancouver Island shore; LSG = lower Strait of Georgia.

Table 40. Length (mm) distribution of 0+ herring in September 1999, by region[1].

LENGTH	UJS	LJS	USG-ML	USG-VI	LSG	LENGTH	UJS	LJS	USG-ML	USG-VI	LSG
≤55	4					90	109	65	42	166	12
56	3					91	39	24	32	115	6
57						92	52	29	56	101	8
58	5					93	31	19	55	61	3
59	2	3				94	34	15	68	72	6
60	5	2				95	27	20	86	74	5
61	5	6				96	16	11	97	54	5
62	7	9				97	14	4	96	45	3
63	4	13				98	13	3	98	27	4
64	4	25				99	6	1	81	29	2
65	12	47				100	13	1	104	44	1
66	11	50			3	101	8	1	65	21	2
67	12	55			3	102	8		52	21	
68	12	56			5	103	7	1	33	18	
69	21	86			14	104	3		37	13	
70	23	155			42	105		1	38	12	
71	13	82			45	106			25	6	
72	33	117			74	107	1		11	3	
73	19	90	1		77	108			9	6	
74	34	106			106	109			7	1	
75	81	142			149	110		1	9	6	
76	62	76			138	111			3		
77	43	82		2	132	112			8	1	
78	59	81			84	113			2		
79	96	97		1	116	114			1		
80	172	151	1	4	160	115			1		
81	118	70	2	6	78	116			2		
82	160	102	2	22	88	117			1		
83	98	66	1	29	32	118					
84	176	90	7	64	45	119					
85	237	111	10	114	33	120					
86	187	59	9	126	33	121					
87	122	43	16	150	24	122					
88	80	36	12	114	13	123					
89	103	50	21	146	18	≥124					
						TOTAL	**2404**	**2354**	**1201**	**1674**	**1569**

[1] UJS = upper Johnstone Strait, LJS = lower Johnstone Strait; USG-ML = upper Strait of Georgia – mainland shore; USG-VI = upper Strait of Georgia – Vancouver Island shore; LSG = lower Strait of Georgia.

Table 41. Length (mm) distribution of 0+ herring in September 2000, by region[1].

LENGTH	LJS	USG-ML	USG-VI	LSG	LENGTH	LJS	USG-ML	USG-VI	LSG
≤55					90	38	282	242	57
56					91	31	147	162	37
57					92	43	195	190	15
58					93	22	139	196	11
59					94	28	142	212	13
60				1	95	25	109	204	14
61					96	13	85	145	10
62					97	21	104	179	8
63					98	10	63	136	3
64				1	99	14	44	112	7
65					100	10	48	132	5
66					101	4	12	51	2
67				2	102	1	19	68	
68			1	7	103	1	14	45	2
69			2	20	104	4	10	46	1
70		2		39	105	1	8	25	1
71		3	1	42	106	2	6	12	
72		9		89	107	1	5	10	1
73		9	10	165	108		4	13	1
74		24	9	190	109		6	3	3
75		20	28	226	110	1	3	4	1
76		42	24	227	111			3	4
77		63	42	305	112		3		
78		108	38	225	113		1	2	1
79		146	47	205	114		1	2	
80	1	208	61	188	115		4	2	
81		167	36	110	116		2		
82	1	200	62	103	117			1	
83	5	238	60	98	118			2	
84	9	254	87	69	119		1	1	
85	22	297	115	67	120				
86	22	200	122	44	121				
87	32	273	152	54	122				
88	35	252	165	39	123				
89	48	229	193	38	≥124			1	
					TOTAL	**445**	**4201**	**3456**	**2751**

[1] LJS = lower Johnstone Strait; USG-ML = upper Strait of Georgia – mainland shore; USG-VI = upper Strait of Georgia – Vancouver Island shore; LSG = lower Strait of Georgia.

Table 42. Length (mm) distribution of 0+ herring in September 2001, by region[1].

LENGTH	LJS	USG-ML	USG-VI	LSG	LENGTH	LJS	USG-ML	USG-VI	LSG
≤55		1			90	5	166	304	51
56					91	11	136	258	29
57					92	2	124	269	38
58	1	1			93	2	78	243	24
59					94	3	66	263	25
60		2			95	2	62	219	15
61					96	3	49	131	8
62					97	5	40	159	10
63					98	2	16	99	5
64					99	3	17	91	4
65		1			100		10	77	3
66				2	101		5	40	3
67	2	4		3	102	1	7	32	
68	2			5	103			21	1
69	5	4		7	104		2	17	2
70	6	2	1	20	105		2	8	
71	11	2		37	106		2	2	
72	12	4	2	72	107			4	
73	15	9		103	108		1	1	
74	22	22	9	172	109			1	
75	31	19	11	202	110		1		
76	36	23	12	221	111				
77	33	43	26	295	112				
78	33	67	35	271	113				
79	53	78	56	228	114				
80	61	102	89	250	115				
81	40	122	106	142	116			1	
82	38	134	120	171	117				
83	26	130	158	152	118				
84	33	170	239	166	119				
85	25	212	218	140	120				
86	11	192	219	106	121				
87	9	195	267	106	122				
88	5	223	273	86	123				
89	7	174	338	75	≥124				
					TOTAL	**556**	**2720**	**4419**	**3250**

[1] LJS = lower Johnstone Strait; USG-ML = upper Strait of Georgia – mainland shore; USG-VI = upper Strait of Georgia – Vancouver Island shore; LSG = lower Strait of Georgia.

Table 43. Length (mm) distribution of 0+ herring in September 2002, by region[1].

LENGTH	USG-ML	USG-VI	LSG	LENGTH	USG-ML	USG-VI	LSG
≤55				90	174	96	32
56				91	208	125	23
57				92	245	147	24
58				93	213	118	26
59				94	243	138	26
60				95	255	188	20
61				96	161	116	13
62				97	152	140	13
63				98	135	128	7
64				99	200	196	9
65				100	85	84	5
66	1			101	66	104	3
67				102	56	104	9
68				103	51	89	3
69	1	1		104	42	93	1
70	1			105	32	47	2
71	2	3	1	106	23	62	1
72	1	2	2	107	12	42	
73	4		10	108	7	37	3
74	1	3	23	109	6	30	
75	1	9	50	110	13	12	
76	2	13	81	111	2	15	
77	1	17	172	112	1	10	
78	1	26	142	113	2	5	
79	3	49	271	114	1	12	
80	2	48	165	115			
81	7	68	191	116			
82	9	56	174	117			
83	13	71	138	118			
84	18	117	129	119			
85	42	137	97	120			
86	44	99	67	121			
87	85	144	72	122			
88	118	109	45	123			
89	222	178	67	≥124			
				TOTAL	**2964**	**3288**	**2118**

[1] USG-ML = upper Strait of Georgia – mainland shore; USG-VI = upper Strait of Georgia – Vancouver Island shore; LSG = lower Strait of Georgia.

Table 44. Length (mm) distribution of 0+ herring in September 2003, by region[1].

LENGTH	USG-ML	USG-VI	LSG	LENGTH	USG-ML	USG-VI	LSG
≤55				90	53	62	63
56				91	48	57	55
57				92	83	75	45
58				93	92	76	28
59				94	84	81	18
60				95	110	75	10
61				96	115	81	14
62				97	87	63	6
63				98	79	56	5
64				99	55	54	1
65				100	83	60	
66				101	41	33	1
67				102	39	30	2
68				103	30	24	
69				104	17	23	
70				105	11	17	
71				106	10	9	
72				107	8	9	1
73	1			108	8	3	
74		1		109	1	4	
75				110	4	4	
76	3	2		111	1	1	1
77	2			112		2	1
78	4	1		113			
79	5	1	2	114		1	
80	12	8		115			
81	16	9		116	1		
82	11	3	3	117			
83	10	12	5	118			
84	12	17	9	119			
85	10	27	13	120			
86	16	35	19	121			
87	31	32	41	122			
88	25	41	63	123			
89	18	38	50	≥124			
				TOTAL	**1236**	**1127**	**456**

[1] USG-ML = upper Strait of Georgia – mainland shore; USG-VI = upper Strait of Georgia – Vancouver Island shore; LSG = lower Strait of Georgia.

Table 45. Length (mm) distribution of 1+ herring in September 1996, by region[1].

LENGTH	USG-ML	USG-VI	LSG
≤112			
113			
114			
115	5	8	
116	2	4	2
117	2	4	2
118	2	3	1
119	4	2	
120	9	6	
121		2	
122	4	6	
123	11	12	1
124	7	11	1
125	16	12	3
126	5	11	
127	8	3	
128	8	11	
129	9	12	
130	15	33	
131	5	20	
132	7	17	
133	6	18	
134	4	10	
135	12	16	
136	1	16	
137	4	11	
138	7	16	
139	3	13	
140	6	27	
141	3	16	
142	6	16	
143	2	9	
144	1	6	
145	3	7	
146	3	6	
147	1	4	
148	2	6	
149		2	
150	1	11	
151		4	
152		1	
153	2	4	
154		3	
155			
156		2	
157		2	
158		3	
159		3	
160			
≥161			
TOTAL	**186**	**409**	**10**

[1] USG-ML = upper Strait of Georgia – mainland shore; USG-VI = upper Strait of Georgia – Vancouver Island shore; LSG = lower Strait of Georgia.

Table 46. Length (mm) distribution of 1+ herring in September 1997, by region[1].

LENGTH	LJS	USG-ML	USG-VI	LSG
≤112		1		
113		1		
114		1		3
115		3	3	
116			1	
117		3	1	
118		2	2	
119		2	3	
120	1	4	3	
121		7	7	1
122	1	9	9	
123	1	10	6	
124	1	11	5	1
125		9	15	
126	1	9	16	1
127	3	4	20	
128	1	8	19	
129	2	10	25	
130		18	14	7
131	5	18	33	
132	5	9	22	1
133	2	17	23	
134	8	11	44	1
135	3	13	44	
136	2	30	34	
137	11	26	35	
138	8	22	34	
139	6	27	27	
140	9	19	22	
141	7	32	36	
142	8	25	28	
143	10	23	35	
144	9	13	20	
145	7	20	22	1
146	2	18	21	
147	5	17	27	
148	6	17	14	
149	3	8	15	
150	3	13	14	
151	4	13	13	
152	1	11	10	
153		4	9	
154	1	11	6	
155	1	9	6	
156	2	7	5	
157	4	5	5	
158	2	4	3	
159	4	7	5	
160		2	4	
≥161			3	
TOTAL	**149**	**563**	**768**	**9**

[1] LJS = lower Johnstone Strait; USG-ML = upper Strait of Georgia – mainland shore; USG-VI = upper Strait of Georgia – Vancouver Island shore; LSG = lower Strait of Georgia.

Table 47. Length (mm) distribution of 1+ herring in September 1998, by region[1].

LENGTH	UJS	LJS	USG-ML	USG-VI	LSG
≤112		1			
113					
114					
115	13	1	1	1	
116	24	13	25	29	1
117	33	12	21	15	3
118	28	13	14	18	
119	32	11	11	13	
120	25	23	5	11	2
121	34	23	8	10	2
122	34	30	9	8	
123	21	13	6	8	2
124	27	26	10	4	
125	41	30	10	3	
126	20	26	14	4	3
127	18	32	14	9	
128	17	14	18	2	
129	13	31	14	6	1
130	25	28	18	9	1
131	14	26	21	11	1
132	13	18	18	13	
133	11	16	24	12	
134	15	17	28	21	1
135	13	15	23	9	
136	11	14	20	9	
137	9	6	22	12	
138	7	7	29	22	
139	7	3	23	14	
140	4	7	28	17	
141	2	7	26	12	
142	8	4	37	16	
143	1	1	18	18	
144	6	5	19	20	
145	3	5	25	16	
146	2	2	17	14	
147	4	6	22	11	
148	5	2	17	11	
149	3	2	12	14	
150	3	3	15	6	
151	2	1	9	5	
152	4	1	7	2	
153	2	1	5	5	
154	3	2	1	1	
155	1	4	2		
156	1			3	
157		2	3	3	
158	1	2	3	2	
159		3			
160	1	2			
≥161			1		
TOTAL	**561**	**511**	**673**	**449**	**17**

[1] UJS = upper Johnstone Strait, LJS = lower Johnstone Strait; USG-ML = upper Strait of Georgia – mainland shore; USG-VI = upper Strait of Georgia – Vancouver Island shore; LSG = lower Strait of Georgia.

Table 48. Length (mm) distribution of 1+ herring in September 1999, by region[1].

LENGTH	UJS	LJS	USG-ML	USG-VI	LSG
≤112	9	87			
113	1	6			
114	4	6			
115	7	15			
116	6	3			
117	3	6			
118	4	8			
119	4	11			
120	13	15	2		
121	10	6			
122	8	11	2		
123	4	8			
124	9	4		1	
125	16	16	2	2	
126	10	14	1	4	
127	9	12	3	2	
128	9	12	2	4	
129	7	8	2	5	
130	11	22	5	5	
131	12	11	3	5	
132	19	9	4	8	
133	9	12	5	6	
134	12	2	1	6	
135	36	16	8	13	
136	23	10	5	9	
137	16	8	12	14	
138	7	3	8	11	
139	24	5	11	13	
140	33	5	17	32	
141	11	6	16	8	
142	21	4	19	9	
143	14	6	29	9	
144	11	2	17	9	
145	19	2	24	12	
146	12	2	25	17	1
147	6	3	21	18	
148	4	3	23	16	
149	16	1	22	10	
150	13	3	39	21	
151	4		17	10	
152	10		31	21	
153			17	12	
154	3	1	30	15	
155	8	3	27	8	
156	5		28	16	
157		3	17	10	
158	1	2	20	6	
159	2		15	15	
160	1		21	10	
≥161	1		8	5	
TOTAL	**497**	**391**	**561**	**397**	**1**

[1] UJS = upper Johnstone Strait, LJS = lower Johnstone Strait; USG-ML = upper Strait of Georgia – mainland shore; USG-VI = upper Strait of Georgia – Vancouver Island shore; LSG = lower Strait of Georgia.

Table 49. Length (mm) distribution of 1+ herring in September 2000, by region[1].

LENGTH	USG-ML	USG-VI	LSG
≤112	2	6	1
113	1	1	
114		1	
115	1	1	
116			1
117	1	1	
118	2	3	1
119		4	1
120		8	
121	1	6	
122	1	7	
123		13	
124		7	
125		14	1
126	1	13	
127		9	
128	1	14	1
129		5	
130		22	1
131	1	20	1
132	1	16	
133	2	15	
134	1	21	
135	4	19	
136	1	13	
137		16	1
138	2	12	
139	5	10	
140	4	18	1
141	2	8	
142	2	12	
143	2	9	
144	4	13	
145	1	8	
146	3	13	
147	2	7	
148		7	1
149	1	6	1
150	3	12	
151		2	
152	1	2	
153		5	
154		2	
155	3	6	
156			
157			
158	3		
159			
160	1		
≥161			
TOTAL	**62**	**407**	**12**

[1] USG-ML = upper Strait of Georgia – mainland shore; USG-VI = upper Strait of Georgia – Vancouver Island shore; LSG = lower Strait of Georgia.

Table 50. Length (mm) distribution of 1+ herring in September 2001, by region[1].

LENGTH	LJS	USG-ML	USG-VI	LSG
≤112	1	14	10	12
113	1	5	4	2
114		10	15	3
115	1	10	5	4
116		5	4	2
117		15	14	1
118		13	11	4
119	1	13	19	3
120	5	32	24	4
121	1	29	15	5
122	3	21	34	2
123	3	33	21	3
124	10	32	32	1
125	3	50	28	6
126	3	34	28	2
127	5	36	38	2
128	13	39	38	3
129	10	42	27	3
130	10	44	63	5
131	8	30	29	2
132	8	32	17	7
133	11	40	28	2
134	8	31	31	
135	11	25	30	1
136	6	18	19	3
137	7	20	36	
138	7	11	22	3
139	11	6	17	2
140	7	11	28	4
141	11	7	16	
142	9	4	14	5
143	7	7	10	
144	6	5	6	1
145	2	4	7	3
146		4	4	1
147	1	1	4	
148		1	2	
149	1		2	1
150		3	1	
151	1	1	1	
152		2		
153		1	1	
154		1	2	
155		2		
156				
157		2	1	
158		2	1	
159		2	2	
160		1		
≥161		5	2	
TOTAL	**192**	**756**	**763**	**102**

[1] LJS = lower Johnstone Strait; USG-ML = upper Strait of Georgia – mainland shore; USG-VI = upper Strait of Georgia – Vancouver Island shore; LSG = lower Strait of Georgia.

Table 51. Length (mm) distribution of 1+ herring in September 2002, by region[1].

LENGTH	USG-ML	USG-VI	LSG
≤112	6	1	
113	4		
114	7	2	
115	5	4	
116	4	5	
117	2	13	1
118	6	11	
119	8	15	
120	7	15	1
121	3	14	
122	10	11	
123	6	8	
124	7	20	
125	7	11	
126	7	17	
127	4	11	
128	10	7	
129	10	10	
130	10	10	
131	12	2	
132	6	7	
133	14	10	
134	11	5	
135	15	2	
136	9	5	
137	7	5	
138	3	4	
139	12	6	
140	5	1	
141	7	4	
142	13	5	
143	9		
144	7	2	
145	4	2	
146	2		
147	2		
148	2	2	
149	7	1	
150	2		
151	3	1	
152	3		
153	3		
154	1		
155			
156	1	1	
157			
158			
159			
160			
≥161		1	
TOTAL	283	251	2

[1] USG-ML = upper Strait of Georgia – mainland shore; USG-VI = upper Strait of Georgia – Vancouver Island shore; LSG = lower Strait of Georgia.

Table 52. Length (mm) distribution of 1+ herring in September 2003, by region[1].

LENGTH	USG-ML	USG-VI	LSG
≤112			
113			
114			
115	2	1	1
116	1	1	
117	2	2	
118	4	4	
119	3	4	
120	9	3	
121	5	9	
122	7	12	1
123	8	14	
124	12	20	
125	14	25	
126	13	20	
127	16	31	
128	17	28	
129	14	34	
130	29	49	
131	16	20	1
132	8	33	
133	19	32	
134	19	25	
135	11	31	
136	13	33	
137	12	19	
138	12	19	
139	8	21	
140	19	16	
141	5	12	
142	13	11	
143	2	3	
144	11	5	
145	5	8	
146	4	8	
147	6	9	
148	2	2	
149	1	3	
150	5	3	
151	4	2	
152	3	1	
153	1		
154	1	1	
155	4	2	
156	2	1	
157		1	
158			
159		1	
160	1	1	
≥161	2		
TOTAL	**365**	**580**	**3**

[1] USG-ML = upper Strait of Georgia – mainland shore; USG-VI = upper Strait of Georgia – Vancouver Island shore; LSG = lower Strait of Georgia.

Table 53. Length (mm) distribution of juvenile salmon in June 1996.

LENGTH	CHIN	CHUM	COHO	PINK	SOCK
30-34					
35-39					
40-44					
45-49					1
50-54					1
55-59				1	1
60-64				2	2
65-69		4		20	5
70-74		6	1	44	
75-79		7	4	81	2
80-84	9	20	4	128	10
85-89	8	40	10	223	5
90-94	13	59	12	295	19
95-99	20	72	3	215	36
100-104	11	96	12	124	45
105-109	11	95	5	94	30
110-114	3	76	8	58	21
115-119	8	51	7	19	10
120-124	4	31	13	9	6
125-129	7	25	7	3	
130-134	5	16	12	2	1
135-139	6	15	13	2	1
140-144	11	10	13	2	
145-149	4	8	16		
150-154	1	3	19		
155-159	1	1	12		
160-164	2		17		
165-169	2		12		
170-174			8		
175-179	1		4		
180-184	2		5		
185-189	1		6		
190-194			5		
195-199					
200-204			1		
205-209			1		
210-214					
215-219					
220-224					
225-229			1		
TOTAL	**131**	**635**	**231**	**1322**	**197**

Table 54. Length (mm) distribution of juvenile salmon in June 1997.

LENGTH	CHIN	CHUM	COHO	PINK	SOCK
30-34		1			
35-39					
40-44					
45-49		1	1		
50-54		1	2		
55-59		9	2	1	
60-64	3	31	4		
65-69	4	66	7		
70-74	14	152	22		
75-79	29	202	60		
80-84	43	217	106		
85-89	63	238	78		3
90-94	65	238	75		2
95-99	59	230	54		6
100-104	36	207	19		6
105-109	25	142	19		14
110-114	30	124	9		27
115-119	21	81	14		20
120-124	21	59	16		23
125-129	21	50	15		14
130-134	26	37	31		14
135-139	26	25	41		5
140-144	23	10	46		4
145-149	18	6	62		1
150-154	6	2	46		
155-159	7	1	40		
160-164	4		33		
165-169	3		9		
170-174	1		12		
175-179	1		12		
180-184	2	1	10		
185-189		1	3		
190-194			3		
195-199					
200-204			2		
205-209					
210-214			1		
215-219			1		
220-224					
225-229			1		
TOTAL	**551**	**2132**	**856**	**1**	**139**

Table 55. Length (mm) distribution of juvenile salmon in June 2000.

LENGTH	CHIN	CHUM	COHO	PINK	SOCK
30-34					
35-39					
40-44					
45-49					
50-54					
55-59		4			
60-64		7			1
65-69		21			1
70-74		48	2		
75-79		129	2		1
80-84		211	5		1
85-89		347	10		
90-94		352	15		
95-99		248	15		3
100-104		163	24		13
105-109	1	114	22		16
110-114	1	93	28		11
115-119	1	42	41		5
120-124	2	27	31		5
125-129		23	26		3
130-134	1	12	21		
135-139		4	20		
140-144		3	15		2
145-149		1	11		
150-154			14		
155-159		1	14		
160-164			13		
165-169		1	19		
170-174			10		
175-179			12		
180-184			13		
185-189			1		
190-194			5		
195-199			4		
200-204			1		
205-209			1		
210-214			1		
215-219					
220-224					
225-229					
TOTAL	**6**	**1852**	**396**	**0**	**69**

Table 56. Length (mm) distribution of juvenile salmon in June 2001.

LENGTH	CHIN	CHUM	COHO	PINK	SOCK
30-34					
35-39					
40-44					
45-49					
50-54					
55-59					
60-64		4			
65-69	2	8	2		
70-74	2	36			
75-79	4	60	1		
80-84	6	127			1
85-89	12	190	3		5
90-94	7	216	5		18
95-99	16	293	1		24
100-104	21	247		1	31
105-109	18	170	2	3	35
110-114	22	95	1	3	36
115-119	24	63	4	2	23
120-124	14	43	1		10
125-129	13	22	4		2
130-134	19	12	1		1
135-139	20	5	2		1
140-144	8	7	8		1
145-149	4		9		
150-154	5	2	13		1
155-159	6		8		
160-164	1		8		
165-169	3	1	11		
170-174			3		
175-179	1		4		
180-184					
185-189					
190-194					
195-199					
200-204					
205-209					
210-214					
215-219					
220-224					
225-229					
TOTAL	**228**	**1601**	**91**	**9**	**189**

Table 57. Length (mm) distribution of juvenile salmon in September 1996.

LENGTH	CHIN	CHUM	COHO	PINK	SOCK
75-79					
80-84					
85-89					
90-94					
95-99					
100-104					
105-109					
110-114					
115-119					
120-124	1				
125-129	4				
130-134	11				2
135-139	21				1
140-144	19	1			
145-149	27			1	
150-154	17	1		3	
155-159	20	2		5	1
160-164	12	8	1	8	1
165-169	18	4		11	1
170-174	15	12		17	1
175-179	13	15		8	4
180-184	12	13	1	19	3
185-189	12	32	1	18	
190-194	4	29		17	
195-199	7	32	1	15	2
200-204	4	28	1	4	
205-209	1	27	3	8	
210-214	4	33	3	1	
215-219	1	18	5	2	
220-224	2	20	3	2	
225-229	3	8	3	1	
230-234	1	6	8		
235-239	1	2	4		
240-244		1	13		
245-249			3	1	
250-254			5		
255-259	1		1		
260-264			2		
265-269					
270-274			2		
275-279			1		
280-284					
285-289					
TOTAL	**231**	**302**	**61**	**141**	**16**

Table 58. Length (mm) distribution of juvenile salmon in September 1997.

LENGTH	CHIN	CHUM	COHO	PINK	SOCK
75-79					1
80-84					
85-89	2		1		
90-94	3				1
95-99	2			7	
100-104	14		1	15	1
105-109	18	2		21	
110-114	30	3		29	2
115-119	14	3	1	21	1
120-124	5	4	2	6	4
125-129	3	7	1	8	
130-134	6	16	2	8	2
135-139	5	20		8	3
140-144	2	23	2	9	5
145-149	4	26	1	5	4
150-154	3	39	1	4	17
155-159	3	50		2	16
160-164	3	53	2	4	18
165-169	3	30	2	7	23
170-174	4	54		4	25
175-179	5	44	1	5	15
180-184	5	30		3	35
185-189	1	30		4	19
190-194	2	12	1	4	25
195-199	4	13	2		16
200-204	2	1	5	3	7
205-209	7	2	1	4	6
210-214	4	2	3	2	4
215-219	8	5	8	2	5
220-224	4		2	2	
225-229	5			1	2
230-234	3				
235-239	3		2	4	
240-244	1		1	2	
245-249			1		
250-254	1		1		
255-259					
260-264					
265-269					
270-274					
275-279					
280-284					
285-289					
TOTAL	**179**	**469**	**45**	**469**	**257**

Table 59. Length (mm) distribution of juvenile salmon in September 1998.

LENGTH	CHIN	CHUM	COHO	PINK	SOCK
75-79					
80-84					
85-89					
90-94					
95-99				1	
100-104					
105-109	2		1		
110-114				1	2
115-119	2	1		1	
120-124	6	2	1	5	1
125-129	8	3		6	3
130-134	10	8	3	11	1
135-139	13	5		13	1
140-144	24	11	1	19	3
145-149	24	23		29	1
150-154	45	31		41	1
155-159	29	23	13	44	
160-164	37	30	2	45	
165-169	25	40	5	29	
170-174	29	39	7	56	
175-179	19	47	13	49	
180-184	25	62	6	56	
185-189	20	60	5	59	
190-194	17	79	10	49	
195-199	12	75	8	26	
200-204	6	61	4	19	
205-209	5	57	1	10	
210-214	10	25	4	2	
215-219	4	11	3	1	
220-224	7	12	7		
225-229	2	2	2		
230-234	2		5		
235-239	3		5		
240-244	2				
245-249	3		2		
250-254			1		
255-259					
260-264	1				
265-269	2				
270-274					
275-279			1		
280-284					
285-289					
TOTAL	**394**	**711**	**100**	**575**	**13**

Table 60. Length (mm) distribution of juvenile salmon in September 1999.

LENGTH	CHIN	CHUM	COHO	PINK	SOCK
75-79					
80-84					
85-89					
90-94	3				
95-99				1	
100-104	2	4	1	7	
105-109	4	3		20	
110-114	8	14		37	
115-119	2	14	1	58	
120-124	8	11	2	69	
125-129	3	27		74	
130-134	3	37	2	65	
135-139	8	53	1	35	
140-144	5	43	1	11	
145-149	12	40		10	
150-154	11	38	1	8	
155-159	7	27		6	
160-164	18	26		1	
165-169	16	24		2	
170-174	18	49		1	
175-179	12	25	2	1	
180-184	13	47		3	
185-189	10	40			
190-194	4	50	2		
195-199	10	35			
200-204	5	43	2		
205-209	1	32	4		
210-214	2	38	4		
215-219	8	39	3	1	
220-224	2	19	6	2	
225-229		17	5		
230-234	2	10	8		
235-239		7	5		
240-244	1	2	11		
245-249		3	6		
250-254	1		6		
255-259		1	9		
260-264	1	1	3		
265-269			1		
270-274			4		
275-279			1		
280-284					
285-289	1				
TOTAL	**201**	**809**	**92**	**412**	**0**

Table 61. Length (mm) distribution of juvenile salmon in September 2000.

LENGTH	CHIN	CHUM	COHO	PINK	SOCK
75-79					
80-84					
85-89					
90-94					
95-99					
100-104					
105-109					
110-114					1
115-119					1
120-124					
125-129					
130-134	4	1			
135-139					
140-144	2		1		1
145-149	6	2		1	
150-154	12	1	3	1	1
155-159	20	4	2		
160-164	9	4			
165-169	13	4	2	3	
170-174	14	17		2	1
175-179	12	17	1	4	
180-184	7	17	1	5	
185-189	10	34	4	12	
190-194	7	47	6	10	
195-199	2	39	3	10	
200-204	6	47	1	15	
205-209	1	46	2	3	
210-214	1	52	3	2	
215-219	6	41	4	2	
220-224	2	36	4		
225-229	1	20	4		
230-234	6	10	3		
235-239	1	1	3		
240-244	5	1	3		
245-249	2		3		
250-254	1		4		
255-259	1		1		
260-264		1	1		
265-269	1	1	2		
270-274					
275-279	1		1		
280-284					
285-289					
TOTAL	**153**	**443**	**62**	**70**	**5**

Table 62. Length (mm) distribution of juvenile salmon in September 2001.

LENGTH	CHIN	CHUM	COHO	PINK	SOCK
75-79					
80-84					
85-89					
90-94					
95-99					
100-104					
105-109					
110-114					
115-119					1
120-124					
125-129	2				
130-134	3	1		1	
135-139	1			1	
140-144	4	3			
145-149	2	2			
150-154	6	12	1		
155-159	8	9			
160-164	9	31			
165-169	8	22	2		
170-174	14	38	2	1	1
175-179	9	51	3	3	
180-184	11	68	2	2	2
185-189	7	60	1		3
190-194	11	59			3
195-199	5	57	2	1	
200-204	12	50	3		1
205-209	6	23	4		
210-214	3	34	4		
215-219	1	8	5		
220-224	2	7	7		
225-229	1	5	6		
230-234	1	6	12		
235-239	1	1	10		1
240-244	1	2	13		
245-249	1		4		
250-254	2	2	8		
255-259			13		
260-264	2		9		
265-269	1		5		
270-274					
275-279					
280-284			2		
285-289			1		
TOTAL	**134**	**551**	**119**	**9**	**12**

Table 63. Length (mm) distribution of juvenile salmon in September 2002.

LENGTH	CHIN	CHUM	COHO	PINK	SOCK
75-79					
80-84					
85-89					
90-94				2	
95-99		1		1	
100-104		1			
105-109		2			
110-114	1				
115-119			1		1
120-124	2				1
125-129	5		2		1
130-134	8	1	1	2	5
135-139	15	4		2	4
140-144	13	1	1	3	6
145-149	16	2	2	5	2
150-154	6	3	1	6	2
155-159	12		2	5	
160-164	8	9		16	
165-169	8	6		21	
170-174	6	11		16	
175-179	8	12	1	25	
180-184	3	14		11	
185-189	1	22	1	27	
190-194	3	30		5	
195-199	1	25	1	9	
200-204		18	3	5	
205-209		19	1	2	
210-214	2	10	1		
215-219	1	5		1	
220-224		6			
225-229		2			
230-234					
235-239	2				
240-244			1		
245-249			1		
250-254			2		
255-259			2		
260-264					
265-269					
270-274					
275-279					
280-284					
285-289					
TOTAL	**121**	**204**	**23**	**164**	**22**

Table 64. Length (mm) distribution of juvenile salmon in September 2003.

LENGTH	CHIN	CHUM	COHO	PINK	SOCK
75-79					
80-84					
85-89					
90-94					
95-99					
100-104					
105-109					
110-114					
115-119					
120-124					
125-129				1	
130-134	2				
135-139	7				
140-144	7				
145-149	5			1	
150-154	11				
155-159	4	2			
160-164	4			1	
165-169	3	2			
170-174	1	7			
175-179	2	3		1	
180-184	5	7			
185-189	4	17	1	1	
190-194	1	15			
195-199	1	12			
200-204		3			
205-209	2	1			
210-214		1			
215-219	1				
220-224	1	1			
225-229					
230-234					
235-239					
240-244					
245-249					
250-254					
255-259					
260-264					
265-269					
270-274					
275-279					
280-284					
285-289					
TOTAL	**61**	**71**	**1**	**5**	**0**

Table 65. Categories of organism, by phylum, identified in plankton and stomach samples.

CODE	Description and scientific name
	Coelenterata
COEL	Medusae
SIPH	Siphonophores
	Ctenophora
CTEN	Ctenophores
	Turbellaria
TURB	turbellarians – free-swimming flatworms (parasitic flatworms are included)
	Annelida
POLY	polychaetes – free-swimming segmented worms, including sipunculids
	Mollusca
GAST	prosobranch gastropods (pelagic snails)
PTER	pteropods (ophistobranch gastropods), mostly *Clione* sp.
PELE	pelecypods (small pelagic clams)
	Arthropoda
NAUP	crustacean nauplii, unidentified, but not cirripeds or euphausiids
CLAD	cladocerans: *Podon* sp and *Evadne* sp.
OSTR	Ostracods
COPE	copepods (see Table 66 for list of species)
SHRI	shrimp (natant decapod) zoea
CRAZ	crab (reptant decapod) zoea, including porcillinadea
CRAM	crab (reptant decapod) megalopea, including porcillinadea
BARN	barnacle (cirriped) larvae, nauplius and cypris
SQUI	squid juvenile
ISOP	isopods, cumaceans and mysids (mostly)
AMPH	amphipods, mostly gammarid and hyperiid, some caprellid
EUPL	euphausiid larvae (nauplius, protozoea, and zoea)
EUPA	euphausiid adult
INSE	Insects
	Ectoprocta
ECTO	ectoprocts, mostly *Membranipora* sp. (cyphonautes)
	Echinodermata
ECHI	echinoderm larvae
	Chaetognatha
CHAE	chaetognaths, mostly *Sagitta* sp.
	Chordata
LARV	larvaceans, mostly *Oikopleura* sp. and tunicate larvae
THAL	Thaliaceans, mostly *Salpa* sp.
TELA	teleost larvae
	Miscellaneous
EGGS	unidentified pelagic eggs, polychaete or teleost

Table 66. Copepods, by order, identified in plankton and stomach samples.

CODE	Scientific name or description
CNAU	copepod nauplii
	Calanoid copepods
UCAL	unidentified calanoids
EBUN	*Eucalanus bungii*
EELO	*Eucalanus elongatus*
CALA	*Calanus* sp.
CMAR	*Calanus marshallae*
CPAC	*Calanus pacificus*
NCRI	*Neocalanus cristatus*
EJAP	*Euchaeta japonica*
CCOL	*Candacia columbiae*
ELON	*Epilabidocera longipedata*
MPAC	*Metridia pacifica*
CGRA	*Chiridius gracilis*
APAC	*Aetidius pacificus*
ADIV	*Aetidius divergens*
CABD	*Centropages abdominals*
TDIS	*Tortanus discaudatus*
ALON	*Acartia longimeres*
ACLA	*Acartia clause*
SMIN	*Scolecithricella minor*
PPAR	*Paracalanus parvus*
PMIN	*Pseudocalanus* sp. (formerly *Pseudocalanus minutus*)
EURY	*Eurytemora* sp.
MPYG	*Microcalanus pygmaeus pusillus*
OBOR	*Oncaea borealis*
	Cyclopoid copepods
UCYC	unidentified cyclopoids
OITH	*Oithona* sp.
TISB	*Tisbe* sp.
CANG	*Corycaeus anglicus*
	Harpacticoid copepods
UHAR	unidentified harpacticoids
	Monstrilloid copepods
UMON	unidentified monstrilloids
	Caligoid copepods
UPAR	unidentified parasitic copepods

Table 67. Organisms•m^{-3} in June 1996 plankton samples.

TRAN	STN	VOL[1]	COEL	SIPH	CTEN	POLY	GAST	PELE	NAUP	CLAD	COPE[2]
8	2	11.8	37.9	2.7	69.7	10.8	43.3	0.0	0.0	5.4	157.8
8	4	10.2	154.4	15.8	126.8	26.0	0.0	0.0	0.0	18.9	267.1
9	2	14.2	6.2	0.0	25.7	194.0	18.0	9.0	0.0	4.5	493.9
9	4	13.9	1.7	0.0	40.4	36.7	45.9	0.0	0.0	23.0	628.5
10	2	17.4	7.4	0.0	210.2	24.0	7.4	0.0	0.0	0.0	228.7
10	4	16.9	5.7	0.0	121.8	29.3	3.8	0.0	0.0	0.0	195.5
11	2	18.8	0.1	0.1	2.2	0.0	0.0	0.0	0.0	279.7	140.3
11	5	21.4	0.0	0.0	35.5	7.5	1.5	1.5	0.0	112.2	171.4
4	2	11.7	59.0	0.0	0.0	0.2	120.0	32.7	0.0	1167.4	802.6
4	4	11.6	1.7	0.3	0.7	22.0	77.2	0.0	0.0	429.1	322.7
3	2	17.5	0.5	0.0	0.6	51.3	80.7	0.0	0.0	58.7	1320.9
3	4	17.3	0.2	0.2	0.2	0.0	14.8	0.2	0.0	0.0	2813.5
5	2	16.6	27.0	0.0	13.5	11.6	11.6	0.0	0.0	0.0	714.6
5	4	13.9	84.2	0.0	13.2	27.6	9.2	0.0	0.0	0.0	1647.8
1	2	11.4	0.4	0.0	50.6	22.5	44.9	0.0	0.0	0.0	562.6
1	4	14.7	0.8	0.0	16.1	32.5	26.2	0.0	0.0	0.0	1507.5
2	2	3.3	39.9	331.6	4.9	39.9	0.0	78.6	39.3	117.9	599.4
2	4	7.2	1.4	167.2	2.2	35.7	35.7	0.3	0.0	17.8	453.1
6	2	4.4	1.1	0.2	1.4	102.7	0.0	117.4	0.0	234.8	427.5
6	4	3.9	1.8	0.0	4.4	66.3	66..3	33.2	0.0	0.0	432.8

[1]VOL=m^3 of water filtered through plankton net.
[2]Copepods listed by species in Table 68

Table 67 cont'd

TRAN	STN	SHRI	CRAZ	CRAM	BARN	AMPH	EUPL	EUPA	ECTO	LARV	CHAE
8	2	14.9	109.7	2.7	0.0	2.0	78.6	0.0	86.7	716.5	0.0
8	4	16.5	65.4	4.7	12.6	6.3	69.3	0.1	239.5	693.3	0.0
9	2	17.5	54.4	0.0	18.0	16.1	71.9	0.0	518.7	474.5	0.0
9	4	14.9	38.4	0.9	23.0	5.5	63.4	0.0	348.8	174.4	0.9
10	2	0.0	29.5	0.0	0.0	3.7	16.6	0.0	81.1	0.0	0.0
10	4	9.4	0.0	0.0	3.8	16.1	185.1	0.0	332.4	0.0	10.4
11	2	0.7	2.8	0.0	15.3	9.1	25.8	0.0	59.7	0.0	1.9
11	5	3.6	11.4	0.4	7.5	6.7	4.5	0.0	91.2	1.5	2.1
4	2	1.0	380.3	0.3	1496.8	11.6	175.9	0.0	207.3	454.8	0.2
4	4	1.9	26.3	0.0	1302.5	1.0	121.9	0.0	154.0	324.6	0.0
3	2	7.9	40.8	0.2	88.0	8.3	264.0	0.0	0.0	293.4	265.8
3	4	2.5	2.3	0.9	74.0	34.2	343.7	0.0	399.5	310.7	0.0
5	2	0.1	8.1	0.1	19.3	11.8	247.2	0.0	455.7	135.5	0.0
5	4	2.3	0.9	0.0	9.2	9.5	387.2	0.0	643.9	138.0	0.6
1	2	17.2	23.9	0.0	33.7	74.4	334.0	0.0	123.6	365.2	11.6
1	4	36.3	4.4	0.0	8.7	118.7	763.6	0.0	269.9	183.9	13.6
2	2	9.2	89.1	0.0	5824.7	1.8	326.1	0.0	0.0	2122.5	0.0
2	4	1.7	7.8	0.3	2033.4	18.4	180.0	0.0	53.5	1552.1	0.8
6	2	0.7	16.1	0.0	3140.9	0.2	59.4	0.0	102.7	2201.6	0.0
6	4	5.4	9.6	0.5	2321.6	34.7	277.2	0.0	132.6	2917.9	1.8

Table 68. Copepods•m^{-3} in June 1996 plankton samples.

TRAN	STN	UCAL	EBUN	CMAR	ELON	CPAC	MPAC	CABD	TDIS
8	2	77.2	0.0	0.0	0.0	4.7	0.0	5.4	0.0
8	4	145.8	0.0	0.0	0.8	0.8	0.0	6.3	0.0
9	2	223.3	0.0	0.0	0.0	0.0	0.0	13.5	0.0
9	4	334.8	0.0	0.0	0.0	0.0	0.0	4.6	0.0
10	2	111.6	0.0	0.0	0.0	6.5	7.4	0.0	0.0
10	4	132.2	0.0	0.0	0.0	3.8	0.0	0.0	0.0
11	2	70.3	0.0	0.0	0.0	0.1	0.0	0.0	0.0
11	5	123.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	2	360.5	0.0	0.0	0.0	0.0	0.0	0.0	69.9
4	4	134.3	0.0	0.0	0.0	0.0	0.0	44.0	0.2
3	2	447.4	0.0	0.0	0.0	0.0	0.0	36.7	22.3
3	4	1287.6	0.7	0.0	0.0	0.0	0.0	88.8	0.0
5	2	332.1	7.7	0.0	0.1	0.0	0.0	11.6	0.0
5	4	461.1	9.2	0.0	0.0	0.0	0.0	0.0	0.0
1	2	180.1	0.0	0.4	0.0	0.0	0.0	5.6	0.0
1	4	550.2	0.0	1.1	0.3	0.0	0.0	43.9	0.0
2	2	356.8	0.0	0.0	0.6	4.9	0.0	39.3	0.0
2	4	236.3	0.0	0.0	0.0	38.5	0.0	17.8	0.0
6	2	176.6	0.0	0.0	0.0	1.1	0.0	14.7	0.0
6	4	266.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 68 cont'd

TRAN	STN	ALON	ACLA	PMIN	UCYC	OITH	CANG	UHAR
8	2	0.0	5.4	65.0	0.0	0.0	0.0	0.0
8	4	25.2	0.0	69.3	0.0	6.3	12.6	0.0
9	2	90.2	4.5	130.8	0.0	4.5	27.1	0.0
9	4	55.1	0.0	183.6	0.0	4.6	41.3	4.6
10	2	7.4	0.0	84.8	0.0	0.0	11.1	0.0
10	4	34.0	0.0	2.8	0.0	0.0	22.7	0.0
11	2	13.6	0.0	44.3	0.0	5.1	6.8	0.0
11	5	12.0	0.0	29.9	0.0	0.0	6.0	0.0
4	2	77.0	43.6	174.5	0.0	76.9	0.2	0.0
4	4	77.7	11..0	0.0	22.2	33.4	0.0	0.0
3	2	689.8	22.0	7.3	0.0	96.3	0.0	0.0
3	4	652.4	0.0	724.9	0.0	29.6	29.6	0.0
5	2	254.9	0.0	54.1	0.0	23.2	30.9	0.0
5	4	294.4	9.2	708.3	55.2	64.4	46.0	0.0
1	2	264.1	0.0	89.9	0.0	0.0	22.5	0.0
1	4	693.4	0.0	192.4	0.0	17.5	8.7	0.0
2	2	39.9	0.0	39.9	0.0	0.0	117.9	0.0
2	4	35.7	0.0	17.8	0.0	53.5	53.5	0.0
6	2	132.3	0.0	58.7	0.0	0.0	44.0	0.0
6	4	132.6	0.0	0.3	0.0	0.0	33.2	0.0

Table 69. Organisms•m^{-3} in June 1997 plankton samples.

TRAN	STN	VOL[1]	COEL	SIPH	CTEN	POLY	GAST	PELE	CLAD
8	1	15.3	0.8	0.0	6.5	0.0	0.5	0.0	27.9
8	2	19.7	0.6	0.1	22.5	0.0	0.6	0.0	9.8
8	4	15.6	0.2	0.0	19.1	0.5	0.5	0.5	31.7
9	1	16.2	0.0	0.0	9.7	0.0	0.0	0.0	287.9
9	2	19.6	0.0	0.0	17.2	0.0	0.0	0.0	366.1
9	3	19.4	0.0	0.0	0.0	0.0	0.0	0.0	31.3
11	1	20.8	0.0	0.5	5.0	0.0	0.0	0.0	344.0
11	2	20.6	0.1	0.1	1.7	0.0	0.0	0.0	294.3
11	3	15.3	0.2	0.1	7.8	0.1	0.0	0.0	122.5
4	3	21.1	2.8	0.1	2.4	0.0	0.0	0.0	46.6
4	5	14.0	0.6	0.0	0.6	0.6	0.0	0.0	49.8
3	1	18.2	0.0	0.0	0.0	0.0	0.0	0.0	28.2
3	2	21.5	0.1	0.0	1.1	0.0	0.0	0.0	9.7
3	3	18.6	0.1	0.0	1.2	0.0	0.0	0.0	13.4
1	1	19.0	0.1	0.0	3.1	0.8	0.0	0.0	5.1
1	2	24.1	1.5	0.0	0.0	0.0	0.0	0.0	5.3
1	3	22.5	0.2	0.0	0.1	0.0	0.0	0.0	4.3
2	1	18.6	7.1	11.5	1.8	0.0	3.4	0.0	123.8
2	3	17.6	1.5	7.7	2.4	7.3	0.0	0.0	94.4

VOL=m^3 of water filtered through plankton net.

Table 69 cont'd

TRAN	STN	OSTR	COPE[2]	SHRI	CRAZ	CRAM	BARN	ISOP	AMPH
8	1	0.0	17.2	1.6	3.6	0.0	8.6	0.0	1.3
8	2	0.0	24.8	3.0	12.6	0.1	3.3	0.0	0.9
8	4	0.0	18.9	5.1	39.5	0.0	5.6	0.0	3.1
9	1	0.0	30.8	0.0	5.3	0.0	7.9	0.0	2.0
9	2	0.0	225.2	0.0	18.0	0.0	3.3	0.0	4.1
9	3	0.0	312.6	3.3	5.8	0.8	1.6	0.0	107.8
11	1	0.0	58.0	7.0	6.5	0.5	9.0	1.0	9.0
11	2	0.0	67.6	4.2	3.3	0.1	2.3	0.0	7.0
11	3	0.0	137.9	2.9	7.0	0.0	3.1	0.0	19.7
4	3	0.0	27.4	4.5	95.7	0.0	4.6	0.6	0.9
4	5	2.1	17.2	0.0	10.5	0.4	65.5	0.0	2.1
3	1	0.0	105.1	7.9	66.8	0.1	0.0	0.0	2.6
3	2	0.0	139.5	5.6	22.5	0.9	2.6	0.0	0.8
3	3	0.0	140.6	5.3	33.4	0.8	7.3	0.0	3.8
1	1	0.0	444.2	0.8	1.9	0.1	4.2	0.0	4.2
1	2	0.0	501.6	1.6	14.2	0.1	2.7	0.0	58.5
1	3	0.0	193.2	1.8	7.5	0.6	0.7	0.0	28.6
2	1	0.0	234.1	8.8	43.2	0.1	485	0.0	0.0
2	3	0.0	247.1	25.3	123.2	2.4	1684.5	0.0	7.5

[2]Copepods listed by species in Table 70.

Table 69 cont'd

TRAN	STN	EUPL	EUPA	ECTO	CHAE	LARV	TELA	EGGS
8	1	0.0	0.0	0.0	0.0	1.0	0.3	4.7
8	2	0.0	0.0	0.4	0.5	0.4	0.2	3.5
8	4	0.0	0.0	0.0	0.0	1.5	1.5	3.6
9	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	2	8.6	67.4	4.9	4.1	0.0	0.0	0.0
9	3	12.3	55.1	0.0	0.0	0.0	0.0	0.0
11	1	0.0	0.0	19.0	1.0	2.0	0.0	2.0
11	2	0.9	0.0	2.3	0.0	0.0	0.0	0.0
11	3	1.6	0.0	4.2	0.0	0.0	0.1	0.0
4	3	0.4	0.0	0.0	0.0	0.0	0.0	1.9
4	5	0.0	0.0	0.0	0.0	0.0	0.0	4.0
3	1	0.0	0.0	0.0	0.0	0.0	0.0	0.4
3	2	0.0	0.1	0.0	1.4	0.0	0.1	4.2
3	3	0.0	0.1	0.4	0.5	0.0	0.0	2.2
1	1	0.0	0.0	0.0	0.0	0.0	0.1	0.0
1	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	3	0.0	0.0	0.0	0.2	0.0	0.0	0.0
2	1	10.3	0.0	6.9	0.0	65.4	0.1	0.1
2	3	22.1	0.0	0.0	1.2	87.2	7.5	7.3

Table 70. Copepods•m^{-3} in June 1997 plankton samples.

TRAN	STN	UCAL	EBUN	CMAR	CPAC	EJAP	ELON	MPAC	CGRA	CABD
8	1	2.1	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0
8	2	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
8	4	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	1	14.9	0.0	0.0	0.1	0.0	0.1	0.1	0.0	0.0
9	2	95.2	0.0	1.6	11.0	0.0	0.0	6.1	0.0	1.6
9	3	139.9	0.0	0.0	59.2	0.8	0.0	66.6	0.0	0.0
11	1	22.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
11	2	17.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
11	3	20.3	0.5	0.0	0.2	0.0	0.1	0.0	0.0	1.6
4	3	4.2	0.0	0.0	0.0	0.0	0.2	0.0	0.0	2.6
4	5	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	1	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7
3	2	9.7	0.0	0.0	0.0	0.0	0.0	0.0	0.4	4.1
3	3	8.2	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.9
1	1	16.0	0.0	0.0	0.0	0.0	1.7	0.0	0.0	5.9
1	2	31.9	0.0	0.0	0.0	0.0	2.7	0.0	0.0	10.6
1	3	22.1	0.0	0.0	0.0	0.0	3.6	0.0	0.0	4.3
2	1	68.8	0.1	0.0	0.2	0.0	3.4	0.0	0.0	0.0
2	3	116.2	0.1	0.0	7.3	0.0	0.0	0.0	0.0	0.0

Table 70 cont'd

TRAN	STN	TDIS	ALON	SMIN	PPAR	PMIN	UCYC	OITH	TISB	CANG
8	1	0.0	14.4	0.0	0.5	0.0	0.0	0.0	0.0	0.0
8	2	0.0	19.7	0.0	0.8	0.0	0.2	0.0	0.0	0.0
8	4	0.0	15.4	0.0	1.0	0.0	0.0	0.0	0.0	1.0
9	1	0.0	12.8	0.0	2.0	0.0	1.0	0.0	0.0	0.0
9	2	0.0	63.7	0.0	40.9	4.9	0.0	0.0	0.0	0.0
9	3	0.0	36.2	3.3	3.3	3.3	0.0	0.0	0.0	0.0
11	1	0.0	22.0	0.0	0.0	2.0	0.0	0.0	0.0	10.0
11	2	0.0	24.1	2.3	3.1	2.3	0.0	14.8	0.0	0.8
11	3	0.0	87.6	3.1	5.7	4.2	0.0	12.0	0.0	2.6
4	3	2.3	16.7	0.0	0.0	1.5	0.0	0.0	0.0	0.0
4	5	0.0	15.4	0.0	0.0	0.3	0.0	0.0	0.9	0.0
3	1	0.0	93.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	2	0.7	122.0	0.4	0.0	1.5	0.0	0.4	0.0	0.4
3	3	0.4	126.3	0.0	0.0	2.6	0.0	0.9	0.0	0.9
1	1	0.0	418.0	0.0	1.7	0.0	0.0	0.0	0.0	0.8
1	2	1.3	449.7	0.0	0.0	0.0	0.0	1.3	0.0	4.0
1	3	0.0	158.9	0.0	0.7	2.1	0.0	0.0	0.0	1.4
2	1	0.0	137.6	0.0	10.3	0.0	0.0	6.9	0.0	6.9
2	3	0.0	109.0	0.0	0.0	7.3	0.0	0.0	0.0	7.3

Table 71. Organisms•m^{-3} in June 2000 plankton samples.

TRAN	STN	VOL[1]	COEL	SIPH	CTEN	POLY	GAST	PELE	CLAD
99	2	18.1	0.0	0.0	0.0	3.5	0.0	7.1	7.1
8	1	16.2	1.5	0.1	0.2	11.9	4.0	0.0	4.0
8	2	18.6	8.0	0.2	0.4	14.2	0.0	0.0	0.0
8	3	7.2	10.4	0.0	0.7	0.0	17.7	0.0	17.7
9	1	8.5	0.6	0.0	0.0	0.9	0.0	0.0	7.5
9	3	18.2	0.2	0.0	0.0	0.0	0.0	0.0	7.0
9	5	21.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0
10	1	3.3	0.3	0.3	0.3	9.6	19.2	38.4	498.7
10	3	5.0	0.0	0.0	0.0	42.1	7.1	0.0	6.4
10	5	18.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0
3	1	12.0	1.4	0.1	0.0	0.0	10.6	0.0	1351.5
3	2	16.1	4.6	0.0	0.0	0.0	51.5	0.0	210.0
3	3	10.1	0.4	0.0	0.0	0.0	0.0	0.0	63.6
5	1	8.2	1.1	0.0	0.0	0.0	19.4	0.0	11.6
5	2	14.1	1.3	0.0	0.0	0.0	9.1	0.0	9.1
5	3	12.8	0.3	0.0	0.0	0.0	10.0	0.0	0.0
1	1	9.5	0.6	0.0	0.3	0.0	5.1	0.0	13.5
1	2	13.6	0.1	0.0	0.1	2.4	2.4	0.0	0.0
1	3	12.3	0.2	0.0	0.0	0.1	0.0	0.0	5.2
2	1	3.9	3.1	271.2	1.0	8.2	0.0	8.2	230.5
2	3	9.1	4.0	225.3	0.9	0.0	14.1	7.1	282.7
2	5	4.8	13.4	298.9	1.7	0.0	20.2	13.4	235.1

VOL=m^3 of water filtered through plankton net.

Table 71 cont'd

TRAN	STN	COPE[2]	SHRI	CRAZ	CRAM	BARN	ISOP	AMPH	EUPL
99	2	174.0	4.3	4.5	0.3	5.0	4.3	0.1	0.0
8	1	802.6	34.0	42.2	1.6	67.2	0.0	0.1	15.9
8	2	837.8	11.0	3.2	0.4	6.9	0.0	6.9	34.7
8	3	1887.9	28.5	73.0	0.0	44.5	0.0	0.0	35.5
9	1	194.2	1.4	4.9	0.0	21.6	0.0	5.8	13.6
9	3	215.7	4.6	11.4	0.5	3.5	0.0	0.1	1.1
9	5	363.8	4.2	16.8	1.4	12.2	0.0	9.2	6.8
10	1	486.1	9.9	0.9	0.0	154.1	0.0	2.1	2.1
10	3	807.4	6.5	3.2	0.8	31.8	0.0	28.6	154.0
10	5	1249.4	0.3	0.0	0.0	0.0	0.0	165.9	68.1
3	1	692.1	0.4	139.3	0.2	53.2	0.0	0.0	0.0
3	2	978.8	5.6	45.3	1.4	39.6	0.0	7.9	0.0
3	3	301.0	13.1	85.4	4.6	9.7	0.0	6.4	6.6
5	1	656.0	0.0	50.5	0.0	209.6	0.0	0.0	3.9
5	2	1893.5	11.3	11.9	0.1	0.3	0.0	45.5	45.7
5	3	2185.0	11.2	0.3	4.1	0.0	0.0	64.2	23.4
1	1	74.4	10.8	63.2	0.1	18.7	0.0	1.8	5.1
1	2	151.3	2.7	16.8	0.1	16.6	0.0	2.7	7.1
1	3	303.0	0.2	5.5	1.8	10.4	0.0	0.6	10.5
2	1	197.6	0.0	54.3	0.3	240.1	0.0	0.0	41.2
2	3	398.9	39.3	94.5	3.1	240.3	0.0	0.4	51.7
2	5	146.7	46.2	40.3	27.7	115.9	0.0	0.0	41.1

[2]Copepods listed by species in Table 72

Table 71 cont'd

TRAN	STN	EUPA	INSE	ECTO	ECHI	CHAE	LARV	TELA	EGGS
8	2	0.0	0.0	3.5	3.5	0.0	0.0	0.1	0.0
8	1	0.0	0.0	11.9	0.0	0.0	11.9	0.0	138.3
8	2	0.0	0.0	13.8	0.0	2.2	13.8	0.0	392.6
8	3	0.0	0.0	17.7	0.0	0.0	132.9	0.0	664.9
9	1	0.0	0.0	3.8	0.0	1.1	9.4	0.0	45.1
9	3	0.0	0.0	10.5	0.0	0.1	3.6	0.0	670.9
9	5	0.0	0.0	15.3	0.0	0.0	18.3	0.0	109.9
10	1	0.0	0.0	19.2	0.0	0.0	805.6	0.0	182.2
10	3	2.4	0.0	12.7	0.0	5.6	228.6	0.0	171.5
10	5	1.1	0.0	54.3	0.0	2.3	13.6	0.0	13.7
3	1	0.0	0.0	53.2	0.0	0.0	74.5	0.0	0.0
3	2	0.0	0.0	71.3	0.0	4.0	31.8	0.0	7.9
3	3	0.0	0.0	3.2	0.0	0.0	3.2	0.4	9.5
5	1	0.0	0.1	69.9	3.9	0.0	15.5	0.0	11.9
5	2	0.0	0.0	181.5	0.0	0.0	54.5	0.1	27.2
5	3	0.0	0.0	349.2	0.0	0.0	89.8	0.0	49.9
1	1	0.0	0.0	72.7	0.0	0.0	49.0	0.0	33.8
1	2	0.0	0.0	141.7	0.0	0.0	75.6	0.6	56.7
1	3	0.0	0.0	119.6	0.0	0.8	109.2	0.0	52.0
2	1	0.3	0.0	57.6	0.0	0.0	395.2	0.0	49.9
2	3	0.0	0.0	56.5	0.0	0.4	198.3	0.0	28.3

Table 72. Copepods•m^{-3} in June 2000 plankton samples.

TRAN	STN	UCAL	EBUN	CMAR	ELON	MPAC	CABD	TDIS	ALON
99	2	0.1	0.0	0.0	0.0	0.1	78.6	0.0	91.7
8	1	0.0	4.0	53.0	0.0	13.0	158.3	0.0	511.0
8	2	0.0	3.4	48.6	0.0	9.6	197.7	0.0	454.5
8	3	21.2	0.0	0.0	0.0	21.3	111.6	0.0	893.4
9	1	0.0	0.6	7.1	0.0	0.1	5.6	0.0	146.9
9	3	0.0	1.0	3.8	0.0	24.6	3	0.0	84.3
9	5	0.0	26.4	24.1	0.0	23.9	45.8	0.0	161.2
10	1	0.0	18.3	17.1	0.0	19.2	19.2	0.0	230.2
10	3	0.0	222.1	156.6	0.0	123.8	12.7	0.0	196.9
10	5	0.0	77.3	607.5	1.5	142.6	40.7	0.0	0.0
3	1	64.0	0.0	0.0	0.0	0.1	42.6	10.8	553.4
3	2	0.0	0.0	0.0	0.0	238.5	203.6	0.0	512.8
3	3	13.7	0.4	0.0	0.0	0.2	111.9	0.0	155.8
5	1	31.1	0.0	0.0	0.0	0.0	27.2	0.0	593.9
5	2	0.0	1.8	113.6	0.0	268.8	237.6	0.0	1008.4
5	3	31.9	2.2	121.3	0.3	383.4	69.8	0.0	1027.5
1	1	8.4	0.0	0.0	0.0	0.0	13.5	0.0	52.4
1	2	7.1	0.2	0.0	0.0	0.0	11.8	0.0	96.8
1	3	3.5	1.7	31.6	0.1	0.1	18.2	0.0	133.4
2	1	82.3	0.0	0.0	0.0	0.0	0.0	0.0	98.8
2	3	0.0	0.0	38.0	0.0	0.0	7.5	0.0	296.8
2	5	26.2	0.0	6.3	0.0	0.0	6.7	0.0	67.2

Table 72 cont'd

TRAN	STN	SMIN	PPAR	PMIN	OITH	CANG
99	2	0.0	0.0	3.5	0.0	0.0
8	1	0.0	25.8	23.7	23.7	0.0
8	2	6.9	27.5	55.1	34.4	0.0
8	3	0.0	260.6	65.6	514.1	0.0
9	1	0.0	9.4	14.1	10.3	0.0
9	3	0.0	0.0	56.2	42.1	0.0
9	5	0.0	6.1	27.5	39.7	9.2
10	1	0.0	19.2	19.2	124.7	19.2
10	3	0.0	6.4	44.5	38.1	6.4
10	5	0.0	0.0	298.4	81.4	0.0
3	1	0.0	0.0	0.0	10.6	10.6
3	2	0.0	0.0	0.0	23.8	0.0
3	3	0.0	0.0	15.9	0.0	3.2
5	1	0.0	0.0	0.0	0.0	3.9
5	2	0.0	36.3	208.8	18.2	0.0
5	3	0.0	69.8	359.1	109.7	10.0
1	1	0.0	0.0	0.0	0.0	0.0
1	2	0.0	2.4	2.4	30.7	0.0
1	3	0.0	10.4	57.2	46.8	0.0
2	1	0.0	0.0	0.0	8.2	8.2
2	3	0.0	0.0	7.1	7.1	42.4
2	5	0.0	0.0	0.0	20.2	20.2

Table 73. Organisms•m^{-3} in June 2001 plankton samples.

TRAN	STN	VOL[1]	COEL	SIPH	CTEN	POLY	GAST	PELE	CLAD
8	1	17.0	1.5	5.1	3.2	0.9	9.4	0.0	0.0
8	2	16.9	0.8	55.8	2.5	0.0	0.0	0.0	0.0
8	3	16.5	2.4	34.6	3.7	0.1	2.9	0.0	0.0
9	1	12.1	9.3	0.0	2.0	0.2	0.7	0.0	0.0
9	2	13.6	2.8	0.0	2.6	0.0	4.7	0.0	0.0
9	3	16.5	3.6	0.0	2.9	0.0	1.0	0.0	0.0
10	1	3.8	0.8	0.3	1.6	0.0	76.2	0.0	33.8
10	3	13.8	0.9	0.0	0.3	10.4	0.0	0.0	13.9
10	5	19.0	0.8	0.0	0.2	0.0	0.0	0.0	0.0
11	1	6.8	0.6	6.7	2.0	32.9	79.5	4.7	336.6
11	3	5.4	1.5	0.9	0.6	24.9	47.6	0.0	750.0
11	5	5.4	1.9	0.0	0.4	1.9	11.9	0.0	118.5
37	1	11.4	0.7	0.0	3.0	0.0	0.0	0.0	41.6
37	2	11.7	1.7	0.0	2.7	0.0	0.0	0.0	89.8
3	1	9.1	1.3	0.7	0.0	0.0	14.0	0.0	119.4
3	2	14.5	5.0	0.0	0.0	0.0	9.0	0.0	57.5
3	3	15.1	0.4	0.1	0.1	0.0	0.0	0.0	55.2
3	4	15.0	2.5	0.0	0.1	2.1	2.1	0.0	25.6
3	5	17.3	0.4	0.0	0.0	0.0	0.0	0.0	5.6
5	1	10.1	0.9	0.0	3.3	3.2	0.0	0.0	41.4
5	2	15.8	0.9	0.0	2.9	1.0	1.0	0.0	16.2
5	3	15.7	0.4	0.0	0.1	0.0	0.0	0.0	2.0
1	1	13.6	6.5	7.4	5.6	0.0	2.4	0.0	21.2
1	2	15.7	1.6	0.0	0.3	0.5	1.0	0.0	5.1
1	3	14.9	0.0	0.0	0.1	0.0	1.1	0.0	10.7
1	4	15.1	0.4	0.1	0.7	2.4	0.0	0.0	14.8
1	5	14.3	0.7	0.0	0.7	25.9	0.0	0.0	5.6
2	1	11.7	11.6	746.2	1.4	28.3	38.3	0.0	5.5
2	2	9.5	13.4	402.4	0.4	34.0	6.7	20.2	6.7
2	3	10.2	20.8	430.7	2.0	12.6	50.2	12.6	12.6
2	4	11.1	6.7	360.3	5.8	46.2	5.8	11.6	34.7
2	5	13.8	5.5	358.8	1.2	18.6	37.2	0.0	23.3

VOL=m^3 of water filtered through plankton net.

Table 73 cont'd

TRAN	STN	COPE[2]	SHRI	CRAZ	CRAM	BARN	ISOP	AMPH	EUPL
8	1	154.7	8.9	19.4	0.2	0.9	0.0	1.9	0.9
8	2	97.7	12.4	66.9	1.5	1.9	0.0	2.1	8.6
8	3	55.2	5.6	88.5	0.4	5.8	0.0	2.0	0.0
9	1	33.0	1.6	3.5	0.0	4.6	0.0	1.8	0.7
9	2	318.9	9.6	26.0	0.4	.3.5	0.0	2.3	9.5
9	3	134.1	4.0	17.0	0.5	0.0	0.0	0.2	3.4
10	1	800.7	21.4	4.2	0.0	169.5	0.0	0.0	9.0
10	3	1016.5	2.3	5.8	3.2	0.0	0.0	24.7	23.2
10	5	1673.1	26.7	2.1	1.1	0.0	0.0	146.5	0.8
11	1	549.1	10.5	7.6	0.1	198.4	0.0	4.7	93.5
11	3	1547.0	2.4	0.7	0.0	154.9	0.0	12.1	96.4
11	5	1797.1	5.2	3.7	1.1	59.3	0.0	63.3	45.6
37	1	33.2	3.9	6.5	0.0	97.2	0.0	0.0	1.4
37	2	28.7	5.6	11.0	0.0	113.4	0.0	6.8	0.0
3	1	1296.5	71.3	336.1	0.0	119.4	0.0	14.0	84.3
3	2	1090.1	21.2	21.0	1.1	48.7	0.0	13.7	62.6
3	3	628.6	2.4	3.3	1.1	21.2	0.0	4.4	12.9
3	4	459.2	1.3	24.8	0.5	27.8	0.0	3.1	28.2
3	5	466.8	0.8	10.1	0.2	11.1	0.0	2.2	24.1
5	1	127.4	75.3	82.6	0.0	38.2	0.0	0.1	0.0
5	2	90.5	57.4	65.4	0.1	17.2	0.0	2.0	0.0
5	3	459.9	0.0	0.2	5.4	0.0	0.0	12.6	0.0
1	1	47.1	102.2	353.3	0.9	68.6	0.0	16.5	0.0
1	2	19.4	10.0	29.8	0.3	21.4	0.0	0.5	0.0
1	3	110.2	1.5	5.6	0.5	0.5	0.0	3.8	0.0
1	4	153.6	3.9	8.3	0.9	29.6	0.0	3.2	0.0
1	5	139.0	0.7	1.8	0.6	7.3	0.0	2.4	0.6
2	1	121.1	46.5	10.6	1.4	712.0	0.0	5.8	27.4
2	2	148.7	62.6	10.1	4.6	696.0	0.0	0.0	16.4
2	3	193.4	20.6	28.2	2.0	991.7	0.0	6.3	14.5
2	4	87.5	34.5	21.3	1.3	577.6	0.0	0.0	0.4
2	5	154.7	19.5	19.2	1.5	986.3	0.3	0.3	14.8

[2]Copepods listed by species in Table 74

Table 73 cont'd

TRAN	STN	EUPA	ECTO	ECHI	CHAE	LARV	TELA	EGGS
8	1	0.0	1.9	0.0	0.1	13.2	0.0	0.0
8	2	0.0	6.6	0.0	0.0	1.9	0.0	0.0
8	3	0.0	2.9	0.0	0.0	7.7	0.1	0.0
9	1	0.0	4.0	0.0	0.2	8.2	0.0	0.7
9	2	0.0	1.2	0.0	0.2	18.8	0.3	0.0
9	3	0.0	1.9	0.0	0.5	4.8	0.0	0.0
10	1	0.0	0.0	0.0	0.3	397.7	0.3	0.0
10	3	1.5	18.6	0.0	27.9	41.8	0.3	0.0
10	5	0.6	0.0	0.0	36.0	0.0	0.4	0.0
11	1	0.0	32.7	0.0	0.0	173.0	0.0	9.3
11	3	0.0	47.6	0.0	3.0	511.9	0.0	23.8
11	5	8.1	23.7	0.0	3.7	343.7	0.4	0.0
37	1	0.0	6.3	0.0	0.0	38.0	0.1	0.0
37	2	0.0	1.4	0.0	0.0	17.8	0.0	0.0
3	1	0.0	7.0	0.0	0.0	154.5	0.0	0.0
3	2	0.0	26.5	0.0	0.0	48.7	0.0	8.8
3	3	0.0	8.5	0.0	0.0	80.6	0.0	33.9
3	4	0.0	10.6	0.0	0.0	27.7	0.2	23.5
3	5	0.0	18.5	0.0	0.0	7.4	0.1	9.3
5	1	0.0	15.9	0.0	0.0	213.3	0.0	0.1
5	2	0.0	4.0	0.0	0.1	77.8	0.0	0.0
5	3	0.0	26.4	0.0	0.1	26.4	0.0	0.0
1	1	0.0	2.4	0.0	0.0	73.0	0.0	0.3
1	2	0.0	3.1	0.0	0.(	25.1	0.0	1.7
1	3	0.0	7.5	0.5	0.0	41.9	0.0	0.5
1	4	0.1	3.2	0.0	0.6	50.8	0.1	4.3
1	5	3.2	0.6	0.0	3.9	20.1	0.6	0.6
2	1	0.0	0.0	0.0	1.4	246.2	0.0	11.3
2	2	0.0	20.2	0.0	3.4	398.8	0.0	0.0
2	3	0.6	12.6	0.0	2.7	131.8	0.0	0.0
2	4	0.0	17.3	0.0	1.1	213.7	0.0	0.2
2	5	0.0	0.0	0.0	0.0	79.1	4.7	0.0

Table 74. Copepods•m^{-3} in June 2001 plankton samples.

TRAN	STN	CNAU	UCAL	EBUN	CMAR	CPAC	CCOL	ELON	MPAC	CABD
8	1	7.5	0.0	0.1	0.0	0.0	0.0	0.0	0.1	2.8
8	2	0.0	0.0	0.0	14.6	14.9	0.0	0.0	0.0	0.9
8	3	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	1.9
9	1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9
9	2	0.0	0.0	0.0	14.4	15.6	0.0	0.1	0.0	9.4
9	3	4.5	0.0	0.0	2.2	2.2	0.0	0.1	0.0	0.0
10	1	76.2	0.0	26.2	29.4	29.9	0.0	0.0	17.2	148.1
10	3	60.4	0.0	12.5	29.7	27.1	0.0	0.6	0.0	51.1
10	5	13.5	0.0	20.6	220.0	210.8	0.0	2.1	0.0	148.2
11	1	18.7	0.0	67.2	14.2	14.3	0.0	0.0	56.1	18.7
11	3	166.7	0.0	5.8	46.1	51.7	0.0	0.2	333.9	0.6
11	5	83.0	0.0	17.0	184.8	195.9	0.0	0.0	332.6	106.7
37	1	1.4	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
37	2	9.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	1	21.1	2.4	0.9	0.4	0.0	0.0	0.0	0.2	498.8
3	2	0.0	0.8	0.3	0.3	9.2	0.0	0.0	44.2	362.8
3	3	38.3	0.0	0.1	0.0	0.0	0.0	0.0	0.5	8.5
3	4	10.6	0.0	0.0	0.3	0.9	0.0	0.0	0.2	8.5
3	5	13.0	0.0	0.0	1.9	1.9	0.0	0.0	0.0	9.3
5	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.5
5	2	0.0	0.0	0.0	0.6	0.5	0.0	0.1	0.1	4.0
5	3	0.0	0.0	1.1	4.1	1.0	0.1	0.1	2.2	0.0
1	1	7.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	2	3.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
1	[1]3	2.3	0.0	0.0	0.0	0.0	0.0	1.1	0.0	3.8
1	4	0.1	0.0	0.0	1.1	1.1	0.0	3.2	0.0	6.3
1	5	0.0	0.0	0.0	0.3	0.0	0.0	2.4	0.0	1.7
2	1	17.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5
2	2	0.0	0.0	0.0	0.0	40.7	0.0	0.4	0.0	0.0
2	3	0.0	0.0	0.0	25.1	55.3	0.0	0.0	0.0	6.3
2	4	5.8	0.0	0.0	0.0	0.9	0.0	5.8	0.0	0.0
2	5	4.7	0.0	0.6	22.7	61.6	0.0	0.0	0.0	0.0

Table 74 cont'd

TRAN	STN	TDIS	ALON	SMIN	PPAR	PMIN	OBOR	OITH	CANG	UHAR
8	1	0.0	140.4	0.0	0.0	0.0	0.0	2.8	0.0	0.0
8	2	0.0	46.4	0.0	0.0	14.2	0.0	2.8	3.8	0.0
8	3	0.0	50.3	0.0	0.0	1.0	0.0	1.9	0.0	0.0
9	1	0.0	18.6	0.0	2.1	3.5	0.0	2.8	0.3	0.2
9	2	0.0	83.3	0.0	7.0	175.1	0.0	11.7	2.3	0.0
9	3	0.0	56.2	0.0	1.0	65.9	0.0	1.9	0.0	0.0
10	1	0.0	321.6	0.0	59.2	42.3	0.0	50.8	0.0	0.0
10	3	0.0	524.7	0.0	69.6	236.8	0.0	3.2	0.9	0.0
10	5	0.0	229.1	0.0	0.0	815.3	0.0	13.5	0.0	0.0
11	1	0.0	135.6	0.0	46.7	46.7	0.0	116.9	14.0	0.0
11	3	0.0	464.3	0.2	47.6	428.6	0.0	1.3	0.2	0.0
11	5	0.0	485.9	0.0	106.7	225.2	0.0	59.3	0.0	0.0
37	1	0.0	19.0	0.0	2.1	1.4	0.0	0.7	8.5	0.0
37	2	0.0	15.0	0.0	0.0	0.0	0.0	0.0	4.1	0.0
3	1	56.2	646.3	0.0	0.0	49.2	0.0	21.1	0.0	0.0
3	2	13.3	588.4	0.0	0.0	57.5	0.0	13.3	0.0	0.0
3	3	4.2	500.7	0.0	4.2	67.9	4.2	0.0	0.0	0.0
3	4	0.0	377.0	0.0	2.1	53.2	0.0	6.4	0.0	0.0
3	5	0.0	346.4	0.0	3.7	88.9	0.0	1.9	0.0	0.0
5	1	0.0	86..0	0.0	3.2	0.0	0.0	0.0	12.7	0.0
5	2	0.0	78.8	0.0	3.0	1.0	0.0	2.0	0.3	0.0
5	3	0.0	418.7	0.0	2.0	16.3	0.0	14.2	0.1	0.0
1	1	0.0	33.0	0.0	0.0	0.0	0.0	0.0	7.1	0.0
1	2	0.0	16.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	3	0.0	92.9	0.0	0.5	6.4	1.6	0.5	1.1	0.0
1	4	0.0	135.4	0.0	0.0	2.1	0.0	3.2	1.1	0.0
1	5	0.0	128.6	0.0	0.0	3.9	0.0	1.1	1.1	0.0
2	1	0.0	16.4	0.0	0.0	0.0	0.0	5.5	76.6	0.0
2	2	0.0	33.6	0.0	0.0	0.0	0.0	13.4	60.5	0.0
2	3	0.0	31.4	0.0	18.8	0.0	0.0	12.6	43.9	0.0
2	4	0.0	34.7	0.0	0.0	0.0	0.0	11.6	28.9	0.0
2	5	0.0	32.6	0.0	0.0	0.0	0.0	9.3	23.3	0.0

Table 75. Organisms•m^{-3} in September 1996 plankton samples.

TRAN	STN	VOL[1]	COEL	SIPH	CTEN	POLY	GAST	PELE	CLAD
8	2	20.9	0.1	49.7	0.0	1.6	13.8	0.0	99.3
8	3	21.4	0.1	85.2	2.4	1.5	55.4	0.0	43.4
9	2	23.3	0.6	0.9	0.2	0.0	4.1	0.7	2.1
9	4	22.6	0.0	1.9	0.0	0.0	3.2	0.0	0.4
10	2	23.6	0.0	1.4	0.0	0.3	4.4	0.0	0.7
10	4	24.0	0.0	0.7	0.0	1.3	16.0	0.0	0.0
11	2	23.8	0.0	8.6	0.0	0.0	0.3	0.0	1.0
11	4	24.2	0.0	1.7	0.0	0.0	0.7	0.0	0.0
4	2	22.0	3.8	1.5	0.0	0.0	26.1	0.0	58.1
4	4	21.8	1.6	0.1	0.0	5.9	129.2	0.0	328.8
3	2	11.2	0.4	1.5	0.3	0.0	51.2	0.0	79.7
3	4	19.5	13.1	6.6	0.0	0.0	13.1	0.0	105.1
5	2	12.5	0.3	27.0	0.1	0.1	168.5	0.0	86.8
5	4	12.9	6.8	46.6	0.0	1.2	9.9	0.0	9.9
1	2	20.8	0.1	13.6	0.0	0.0	2.3	0.0	0.8
1	4	21.2	0.1	4.0	0.0	7.6	1.5	0.8	0.8
2	2	21.7	4.4	396.6	18.8	11.8	5.9	0.0	8.9
2	4	20.3	1.6	401.0	6.7	6.3	31.5	0.0	6.3
6	2	18.0	1.0	46.5	0.0	10.8	21.3	14.2	3.5
6	4	20.5	0.3	10.0	0.0	3.1	21.9	6.3	3.1

VOL=m^3 of water filtered through plankton net.

Table 75 cont'd

TRAN	STN	OSTR	COPE[2]	SHRI	CRAZ	CRAM	BARN	ISOP	AMPH
8	2	0.1	346.3	8.5	18.7	4.0	27.5	0.0	4.9
8	3	0.0	270.2	16.0	9.3	1.5	1.3	0.0	21.1
9	2	0.0	244.3	2.3	1.8	0.0	0.7	0.0	17.3
9	4	1.1	92.8	0.8	0.3	0.1	0.4	0.0	3.9
10	2	4.7	202.7	0.0	0.0	0.0	0.0	0.0	19.7
10	4	0.0	176.3	0.3	0.0	0.0	0.0	0.0	7.0
11	2	0.3	86.5	1.6	0.1	0.0	3.3	0.0	13.5
11	4	0.5	43.9	1.3	0.2	0.0	0.7	0.0	0.5
4	2	1.5	192.4	3.3	5.6	1.3	419.6	0.1	1.8
4	4	0.0	795.5	13.3	45.7	2.8	493.2	1.6	0.1
3	2	0.0	331.2	22.5	12.4	1.2	449.8	0.1	11.5
3	4	0.0	1055.1	0.8	2.5	0.0	886.8	0.0	124.0
5	2	0.0	459.5	7.7	1.8	0.2	515.6	5.1	5.3
5	4	0.0	637.7	2.2	0.0	1.2	0.0	0.0	100.6
1	2	0.0	192.9	3.2	1.1	0.0	0.8	0.0	2.4
1	4	0.8	150.1	0.0	0.0	0.0	0.0	0.0	2.4
2	2	0.0	580.5	2.2	11.4	0.0	8.9	0.0	5.9
2	4	0.0	665.9	9.5	8.3	0.0	50.5	0.0	0.4
6	2	0.1	211.8	1.8	4.0	0.0	298.1	3.9	44.0
6	4	6.4	391.1	0.9	0.4	0.1	347.1	0.3	34.9

[2]Copepods listed by species in Table 76

Table 75 cont'd

TRAN	STN	EUPL	EUPA	ECTO	CHAE	LARV	TELA	EGGS
8	2	0.1	0.0	0.0	0.0	75.0	0.2	0.0
8	3	0.0	0.0	1.5	0.0	95.9	0.1	0.0
9	2	1.0	0.0	0.7	0.1	3.4	0.0	48.9
9	4	0.9	0.0	0.0	0.0	1.1	0.0	3.2
10	2	19.0	27.1	0.0	3.7	0.0	0.0	0.0
10	4	21.0	12.7	0.0	2.0	0.7	0.0	0.0
11	2	0.4	0.0	3.7	0.0	4.7	0.0	5.0
11	4	0.2	0.0	1.0	0.1	1.8	0.0	0.0
4	2	7.4	0.0	2.9	0.0	10.2	0.0	0.0
4	4	6.0	0.0	5.9	0.0	29.4	0.0	0.0
3	2	57.5	0.0	0.0	0.1	603.6	0.0	1292.6
3	4	77.2	0.0	13.1	1.6	157.6	0.0	341.6
5	2	265.5	0.0	15.3	0.0	530.9	0.1	316.6
5	4	279.4	0.0	0.3	0.9	159.0	0.0	0.0
1	2	0.9	0.0	0.0	0.0	9.2	0.0	18.5
1	4	0.1	0.0	0.0	0.0	0.0	0.0	6.8
2	2	61.3	0.0	3.0	0.0	70.9	0.0	307.2
2	4	72.9	0.0	50.5	0.4	157.7	0.0	59.9
6	2	24.8	0.0	0.0	0.0	393.9	0.0	0.0
6	4	0.1	0.0	9.4	1.2	298.8	0.0	0.1

Table 76. Copepods•m^{-3} in September 1996 plankton samples.

TRAN	STN	UCAL	EBUN	CMAR	CPAC	EJAP	CCOL	ELON	MPAC
8	2	202.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	3	175.6	0.0	0.0	0.0	0.0	0.0	0.0	0.3
9	2	95.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	4	37.7	0.0	0.1	0.1	0.0	0.0	0.0	0.0
10	2	137.0	0.0	0.0	3.4	0.0	0.0	0.0	1.4
10	4	113.7	0.0	5.3	11.7	1.3	0.7	0.0	28.3
11	2	26.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3
11	4	14.4	0.0	0.1	0.2	0.0	0.0	0.0	0.5
4	2	97.4	0.0	0.0	0.1	0.0	0.0	0.0	0.1
4	4	446.9	0.0	0.0	7.9	0.0	0.0	0.0	0.0
3	2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.4
3	4	596.9	0.0	23.0	22.2	0.0	0.0	0.0	307.9
5	2	122.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	4	299.6	0.0	2.5	2.85	0.0	0.0	0.0	0.0
1	2	139.7	0.0	0.0	0.0	0.0	0.0	0.0	0.8
1	4	112.4	0.0	0.0	0.0	0.0	0.0	0.0	0.8
2	2	199.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	4	305.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	2	89.1	0.0	1.2	0.1	0.0	0.0	0.2	0.4
6	4	174.0	0.0	0.7	0.3	0.0	0.0	0.0	0.2

Table 76 cont'd

TRAN	STN	CABD	TDIS	ALON	SMIN	PPAR	PMIN	OITH	CANG	UHAR
8	2	0.0	0.0	0.0	0.0	9.2	45.8	9.2	79.4	0.0
8	3	0.0	0.0	1.5	0.0	15.0	21.0	12.0	44.9	0.0
9	2	0.0	0.0	0.0	0.0	0.0	108.7	5.5	35.1	0.0
9	4	0.0	0.0	0.0	0.0	0.4	35.4	6.7	12.0	0.4
10	2	0.0	0.0	0.0	0.7	0.0	48.8	6.8	4.7	0.0
10	4	0.0	0.0	0.0	0.0	0.0	9.3	4.0	2.0	0.0
11	2	0.0	0.0	0.3	1.0	0.0	10.4	12.8	35.3	0.0
11	4	0.0	0.0	0.5	0.8	0.0	10.1	7.6	9.8	0.0
4	2	0.0	49.7	1.5	0.0	5.8	14.5	7.3	16.0	0.0
4	4	0.0	147.0	0.0	0.0	11.7	111.6	41.1	29.4	0.0
3	2	0.3	5.9	0.0	0.0	5.7	182.2	68.3	68.3	0.0
3	4	0.0	0.0	0.0	0.0	0.0	32.8	52.5	19.7	0.0
5	2	0.0	5.1	0.0	0.0	51.1	61.3	91.9	127.6	0.0
5	4	0.0	0.0	0.0	0.0	24.8	178.8	49.7	79.5	0.0
1	2	0.0	0.0	0.0	3.9	0.0	5.4	16.2	27.0	0.0
1	4	0.0	0.0	0.0	3.8	0.0	7.5	9.1	16.6	0.0
2	2	0.0	0.0	0.0	0.0	3.0	11.8	3.0	363.3	0.0
2	4	0.0	0.4	0.0	0.0	3.2	0.0	18.9	337.5	0.0
6	2	0.0	3.5	0.0	3.5	0.0	17.7	7.1	88.7	0.0
6	4	0.0	3.2	0.0	3.1	0.0	143.9	9.4	56.3	0.0

Table 77. Organisms•m^{-3} in September 1997 plankton samples.

TRAN	STN	VOL[1]	COEL	SIPH	CTEN	POLY	GAST	PELE	CLAD
8	1	13.3	0.0	0.0	0.8	38.6	193.2	444.3	4520.3
8	2	16.8	7.6	0.0	3.3	22.8	175.0	91.3	1133.5
8	4	16.8	0.0	0.0	14.3	0.1	206.3	15.3	145.2
9	1	18.1	0.0	0.0	0.0	0.0	2.9	0.0	25.1
9	2	18.3	0.0	0.0	0.0	0.2	0.0	0.0	5.2
9	3	18.0	0.0	0.0	0.0	0.4	1.8	0.0	0.0
11	1	14.1	0.0	0.0	0.1	0.0	3.4	1.1	135.2
11	2	16.8	0.0	0.1	0.2	2.4	8.5	0.9	62.7
11	3	18.5	0.0	0.0	0.4	11.1	8.7	1.7	121.3
4	3	15.9	0.7	8.3	3.8	26.4	155.2	0.0	90.7
4	5	19.0	0.6	3.6	6.4	8.4	77.3	1.7	90.7
3	1	13.6	0.0	0.0	0.0	1.2	4.7	0.6	26.5
3	2	20.0	0.0	0.8	0.1	0.1	14.4	1.6	12.0
3	3	18.3	0.0	0.0	0.1	2.9	0.0	3.5	15.7
1	1	12.4	0.0	3.5	65.5	7.0	20.0	0.0	15.0
1	2	18.7	2.0	1.0	0.0	5.5	5.0	0.0	0.0
1	3	16.4	0.0	0.5	4.5	4.0	2.0	0.0	3.0
2	1	15.7	0.3	2.5	5.5	1.1	0.0	0.0	35.3
2	3	15.6	0.4	4.1	3.7	0.5	3.6	0.0	70.3

VOL=m^3 of water filtered through plankton net.

Table 77 cont'd

TRAN	STN	OSTR	COPE[2]	SHRI	CRAZ	CRAM	BARN	AMPH	EUPL
8	1	0.0	1352.2	1.4	67.1	2.3	714.7	1.1	0.0
8	2	0.0	768.8	0.7	13.5	0.8	228.2	7.7	0.7
8	4	0.0	664.8	1.0	16.4	0.0	122.2	0.0	0.0
9	1	0.0	44.8	0.4	0.4	0.0	7.5	0.4	0.0
9	2	0.0	202.4	0.9	0.2	0.0	1.7	16.5	10.9
9	3	0.0	551.0	0.4	0.4	0.0	0.0	79.2	14.7
11	1	0.0	36.5	4.4	0.4	0.4	7.9	1.0	0.0
11	2	0.9	155.8	1.0	1.1	0.1	13.3	4.0	0.0
11	3	0.0	206.4	0.1	0.1	0.2	5.2	12.5	0.2
4	3	0.0	257.0	1.9	12.7	0.1	80.6	0.1	0.0
4	5	0.0	129.5	3.6	15.5	0.3	47.0	2.2	0.0
3	1	0.0	225.2	0.6	0.7	0.0	38.2	2.9	0.6
3	2	0.0	197.3	1.7	2.5	0.0	21.6	12.1	3.3
3	3	0.0	281.9	1.2	5.6	0.0	31.5	0.1	2.1
1	1	0.0	132.0	12.0	3.5	0.0	40.0	1.5	0.0
1	2	0.0	196.0	2.0	3.5	0.0	12.0	3.5	0.0
1	3	0.0	155.0	5.0	1.5	0.0	56.0	0.0	1.0
2	1	0.0	39.9	4.4	4.9	0.2	28.8	0.3	0.8
2	3	0.0	63.6	3.7	11.7	0.3	42.1	1.0	3.6

[2]Copepods listed by species in Table 78

Table 77 cont'd

TRAN	STN	EUPA	ECTO	CHAE	LARV	TELA	EGGS
8	1	0.0	0.0	0.0	0.0	0.1	0.0
8	2	0.0	0.0	0.2	0.0	0.2	0.0
8	4	0.0	7.6	0.0	0.0	0.1	0.1
9	1	0.0	0.2	0.0	0.2	0.0	0.0
9	2	5.5	0.0	16.8	0.0	0.0	0.0
9	3	47.6	0.0	33.8	0.0	0.0	0.0
11	1	0.4	1.7	0.0	13.0	0.0	32.8
11	2	0.0	0.9	0.1	26.6	0.0	16.1
11	3	0.3	0.0	3.7	8.7	0.0	26.0
4	3	0.0	2.0	0.0	34.3	0.0	0.0
4	5	0.0	1.7	0.0	1.7	0.0	1.7
3	1	0.0	0.0	0.0	1.2	0.0	0.1
3	2	0.0	4.0	0.1	0.6	0.0	0.0
3	3	0.0	0.9	0.2	0.9	0.0	0.0
1	1	0.0	0.0	0.0	23.0	0.0	0.0
1	2	0.0	2.0	0.0	16.0	0.0	0.0
1	3	0.0	1.0	0.0	11.0	0.0	0.0
2	1	0.0	0.3	0.0	0.3	0.0	1.1
2	3	0.0	1.0	0.0	16.4	0.0	1.5

Table 78. Copepods•m^{-3} in September 1997 plankton samples.

TRAN	STN	UCAL	EBUN	CMAR	CPAC	ELON	MPAC	CABD	TDIS	ALON
8	1	540.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.3
8	2	517.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	4	259.8	0.0	0.0	0.0	0.1	0.0	22.9	0.0	7.6
9	1	17.2	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.7
9	2	93.8	0.0	0.1	2.9	0.0	10.3	0.0	0.0	0.9
9	3	239.5	0.0	0.0	10.7	0.0	105.0	0.0	0.0	0.0
11	1	24.3	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.6
11	2	77.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0	0.9
11	3	62.4	0.0	0.0	0.1	0.0	1.8	0.0	0.0	0.0
4	3	57.1	0.0	0.0	2.4	0.0	0.0	0.1	2.0	0.0
4	5	32.0	0.0	0.0	0.1	0.0	0.0	1.7	3.4	0.0
3	1	190.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	2.4
3	2	52.1	0.0	0.0	0.0	0.0	0.1	3.2	0.0	3.2
3	3	116.4	0.0	0.0	0.0	0.0	0.1	3.6	0.9	2.6
1	1	39.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
1	2	53.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	1.0
1	3	45.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	1.0
2	1	23.9	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.5
2	3	41.6	0.0	0.0	0.0	0.0	0.0	0.5	0.0	1.5

Table 78 cont'd

TRAN	STN	SMIN	PPAR	PMIN	OITH	TISB	CANG	UHAR	UMON
8	1	0.0	676.1	0.0	19.3	0.0	96.6	0.0	0.0
8	2	0.0	129.3	45.6	45.6	0.0	30.4	0.0	0.0
8	4	0.0	275.1	0.0	22.9	0.0	76.4	0.0	0.0
9	1	0.0	24.0	0.2	1.1	0.0	0.7	0.4	0.0
9	2	0.0	75.2	17.5	0.0	0.0	1.7	0.0	0.0
9	3	0.0	128.2	64.1	0.0	0.0	3.6	0.0	0.0
11	1	0.0	4.0	0.0	5.7	0.0	1.1	0.0	0.0
11	2	0.9	40.8	11.4	12.3	0.0	10.4	0.0	0.0
11	3	0.0	84.9	22.5	8.7	0.0	26.0	0.0	0.0
4	3	0.0	70.5	8.1	70.5	0.0	46.4	0.0	0.0
4	5	0.0	20.2	6.7	15.1	0.0	50.4	0.0	0.0
3	1	0.6	14.7	7.6	5.3	0.0	4.1	0.0	0.0
3	2	0.8	58.5	52.9	10.4	0.0	16.0	0.0	0.0
3	3	4.4	56.8	65.6	10.5	0.0	21.0	0.0	0.0
1	1	6.0	1.0	2.0	21.0	0.0	61.0	0.0	1.0
1	2	17.0	0.0	19.0	18.0	0.0	87.0	0.0	0.0
1	3	7.0	0.0	35.0	10.0	0.0	55.0	1.0	0.0
2	1	0.0	3.6	0.3	5.1	0.3	6.1	0.0	0.0
2	3	0.0	7.2	0.0	6.2	0.0	6.7	0.0	0.0

Table 79. Organisms•m^{-3} in September 1998 plankton samples.

TRAN	STN	VOL[1]	COEL	SIPH	CTEN	POLY	GAST	PELE	CLAD
106	1	18.5	0.9	0.6	0.0	0.1	0.9	0.0	88.1
101	1	16.6	0.0	0.1	0.0	0.1	1.9	0.0	0.0
111	1	17.5	0.5	0.0	0.0	1.9	0.0	0.0	1.8
116	1	14.6	0.0	0.3	0.0	1.4	0.5	0.0	3.3
121	1	17.3	0.5	0.0	0.5	0.9	0.0	0.0	0.0
126	1	17.0	1.0	1.1	0.1	0.7	0.2	0.0	0.1
131	1	18.8	4.4	3.7	0.2	1.3	1.3	0.0	5.1
8	1	16.8	6.3	46.4	24.7	3.8	5.7	0.0	0.4
8	2	16.2	26.7	50.7	16.3	5.9	0.0	0.0	0.0
9	1	19.7	1.9	51.0	32.4	0.0	0.8	0.0	0.0
9	2	20.1	0.0	13.1	0.0	0.0	2.4	0.0	0.0
9	3	18.3	2.2	20.1	21.0	0.0	3.5	0.0	0.0
11	1	14.2	1.7	54.0	10.4	0.0	22.5	2.2	0.0
11	2	11.3	6.0	40.7	16.5	0.0	0.0	8.5	0.0
11	3	12.9	1.7	43.6	24.8	0.0	7.4	0.0	0.0
4	3	16.1	0.6	115.1	5.5	51.6	75.5	0.0	4.0
4	5	15.2	4.5	46.8	0.5	10.6	86.3	4.2	21.1
3	1	15.1	3.4	27.9	3.2	1.1	14.8	0.0	0.0
3	2	20.4	1.8	47.4	2.4	0.0	20.4	0.0	0.0
3	3	18.7	0.9	44.6	4.3	3.6	13.7	0.0	0.0
1	1	13.8	18.6	6.2	1.6	0.0	20.9	0.0	158.8
1	2	16.4	1.0	22.2	0.7	0.0	0.5	0.0	4.4
1	3	16.5	1.9	13.3	0.0	2.4	7.7	0.0	2.9
2	1	19.5	14.8	302.0	77.2	4.9	8.2	0.0	4.9
2	3	17.8	86.9	316.2	29.3	4.5	0.0	0.0	0.0
2	5	17.0	82.8	307.0	29.2	1.9	16.9	0.0	0.0

VOL=m^3 of water filtered through plankton net.

Table 79 cont'd

TRAN	STN	OSTR	COPE[2]	SHRI	CRAZ	CRAM	BARN	ISOP	AMPH
106	1	0.0	43.1	0.1	0.2	0.0	85.6	0.0	7.0
101	1	1.0	219.0	0.0	1.0	0.0	16.5	0.0	2.9
111	1	0.0	229.8	0.0	0.0	0.0	5.9	0.0	2.6
116	1	0.0	41.9	0.0	0.3	0.0	5.5	0.0	0.3
121	1	0.0	115.1	0.5	1.2	0.1	3.8	0.0	1.6
126	1	6.7	51.0	0.5	0.0	0.1	5.2	0.1	1.7
131	1	0.5	73.8	3.5	1.4	0.0	26.9	0.0	3.6
8	1	0.0	96.4	7.8	1.8	0.5	1.0	0.8	8.9
8	2	0.0	289.4	6.2	0.7	1.5	2.0	0.2	10.4
9	1	0.0	68.0	2.9	0.9	0.0	0.0	0.4	0.9
9	2	0.0	59.2	1.6	0.0	0.0	0.0	0.0	2.0
9	3	0.0	82.8	0.0	0.0	0.0	0.9	0.0	12.3
11	1	0.0	80.9	7.0	1.1	0.0	11.2	0.0	17.4
11	2	0.0	306.0	0.0	0.0	0.0	8.5	0.0	32.0
11	3	1.2	216.4	3.1	1.2	0.2	0.0	0.0	2.6
4	3	0.0	430.1	5.6	0.1	0.1	337.7	0.7	0.4
4	5	0.0	371.4	0.2	0.2	0.2	372.5	1.1	0.0
3	1	0.0	81.2	5.1	0.1	0.0	0.1	0.2	62.5
3	2	0.0	177.5	2.1	0.0	0.1	3.1	0.0	81.0
3	3	0.0	433.3	1.3	0.0	0.4	3.4	0.0	92.2
1	1	0.1	14.0	16.4	0.1	0.0	0.8	0.0	1.2
1	2	0.0	42.9	2.6	0.1	0.0	1.0	0.0	15.7
1	3	1.9	197.8	0.2	0.0	0.0	6.8	0.0	22.5
2	1	0.0	106.8	3.7	0.0	0.0	27.9	0.0	2.1
2	3	0.0	426.2	11.7	0.5	0.0	43.2	0.0	4.1
2	5	0.0	311.6	12.0	2.1	50.8	0.0	0.2	7.7

[2]Copepods listed by species in Table 80

Table 79 cont'd

TRAN	STN	EUPL	EUPA	INSE	ECTO	CHAE	LARV	TELA	EGGS
106	1	11.3	0.0	0.0	0.0	3.4	96.7	0.0	1.7
101	1	1.0	0.0	0.0	0.0	4.0	28.9	0.0	0.0
111	1	20.2	0.0	0.0	0.0	6.4	25.6	0.0	4.6
116	1	5.7	0.0	0.0	0.3	1.6	6.6	0.0	6.3
121	1	3.4	0.0	0.0	0.9	2.3	4.2	0.0	0.0
126	1	3.7	0.0	0.5	0.0	0.1	8.3	0.0	9.9
131	1	14.2	0.0	0.0	1.3	2.3	3.8	0.4	17.5
8	1	14.3	0.0	0.0	0.0	0.0	96.0	0.0	0.0
8	2	14.8	0.0	0.0	0.0	0.0	57.4	0.0	0.0
9	1	0.0	0.0	0.0	1.2	0.0	17.4	0.0	0.0
9	2	108.8	0.0	0.0	0.8	0.0	4.0	0.0	0.0
9	3	0.0	143.6	0.0	0.9	7.9	0.0	0.0	0.0
11	1	0.0	70.2	0.0	5.6	0.0	110.2	0.0	0.0
11	2	2.8	0.0	0.0	0.0	1.4	185.1	0.0	0.0
11	3	0.2	0.0	0.0	2.5	3.3	141.8	0.0	0.0
4	3	0.1	0.0	0.0	0.0	0.0	75.5	0.0	0.0
4	5	0.0	0.0	0.0	8.4	0.0	117.9	0.0	0.0
3	1	1.1	0.0	0.0	0.0	0.2	88.8	0.0	0.0
3	2	3.9	0.0	0.0	0.0	0.0	45.6	0.0	0.0
3	3	0.2	0.0	0.0	0.0	0.4	78.5	0.0	0.2
1	1	0.0	0.0	0.0	2.3	0.0	151.8	0.0	0.0
1	2	0.5	0.0	0.0	1.5	0.0	93.1	0.0	0.0
1	3	3.6	16.2	0.0	1.9	0.2	63.8	0.0	1.0
2	1	11.5	0.0	0.0	1.6	0.0	6.6	0.0	3.3
2	3	13.1	0.0	0.0	0.0	0.0	36.0	0.0	0.0
2	5	18.8	0.0	0.0	1.9	0.0	37.5	0.0	1.9

Table 80. Copepods•m^{-3} in September 1998 plankton samples.

TRAN	STN	UCAL	EBUN	CMAR	CPAC	EJAP	ELON	MPAC	CGRA	APAC	ADIV
106	1	2.6	0.0	0.5	0.0	0.0	0.0	2.7	0.1	1.0	0.0
101	1	19.3	0.0	0.1	0.0	0.0	0.1	21.4	0.0	0.0	1.0
111	1	18.3	0.0	0.3	0.2	0.0	0.0	7.5	0.0	8.7	0.0
116	1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
121	1	5.1	0.0	1.6	1.7	0.0	0.1	3.3	0.0	0.0	1.9
126	1	0.7	0.0	1.2	1.3	0.0	0.0	2.0	0.0	0.0	4.0
131	1	1.3	0.0	1.4	0.9	0.0	0.0	0.0	0.0	0.0	0.0
8	1	2.9	0.5	0.6	23.8	0.0	0.0	32.7	0.0	0.0	0.0
8	2	7.9	8.4	90.0	151.9	0.0	0.0	7.4	0.0	0.0	0.0
9	1	0.0	0.4	2.8	3.4	0.0	0.0	24.0	0.0	0.0	0.0
9	2	0.0	0.0	4.8	4.8	0.0	0.0	37.7	0.0	0.0	0.0
9	3	0.0	0.0	21.0	22.3	0.0	0.0	21.0	0.0	0.0	0.0
11	1	0.0	0.0	5.6	7.9	0.0	0.0	21.4	0.0	0.0	0.0
11	2	0.0	0.0	113.7	115.6	0.0	0.0	0.0	0.0	0.0	0.0
11	3	7.4	0.5	56.8	58.5	0.0	0.0	21.2	0.0	0.0	0.0
4	3	0.0	0.0	120.9	122.5	0.0	0.0	15.9	0.0	0.0	0.0
4	5	10.5	0.0	10.8	200.7	0.0	0.0	0.0	0.0	0.0	0.0
3	1	0.1	0.0	23.6	24.7	0.0	0.1	3.2	0.0	0.0	0.0
3	2	0.0	0.0	0.9	96.5	0.0	0.0	6.3	0.0	0.0	0.0
3	3	0.0	0.0	120.4	128.3	0.0	0.0	140.2	0.0	0.0	0.0
1	1	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	0.0
1	2	0.0	0.0	8.8	9.2	0.0	0.1	1.9	0.0	0.0	0.0
1	3	0.0	0.0	87.1	84.2	0.0	0.0	8.2	0.0	0.0	0.0
2	1	0.0	0.0	21.4	21.4	0.0	0.0	0.0	0.0	0.0	0.0
2	3	0.0	0.0	133.3	195.5	0.0	0.0	0.0	0.0	0.0	0.0
2	5	0.0	0.0	122.0	131.4	0.0	0.0	0.0	0.0	0.0	0.0

Table 80 cont'd

TRAN	STN	CABD	TDIS	ALON	ACLA	SMIN	PPAR	PMIN	OITH	CANG	UHAR
106	1	0.0	0.0	10.4	0.0	0.0	0.9	13.0	6.9	5.2	0.0
101	1	0.0	22.2	24.1	0.0	1.0	1.9	52.0	22.2	53.9	0.0
111	1	0.0	0.5	20.5	0.0	0.0	0.0	167.9	0.0	5.9	0.0
116	1	0.0	4.4	24.6	0.0	0.0	0.0	4.9	0.3	5.2	0.0
121	1	0.0	16.8	25.4	0.0	0.9	0.0	42.1	1.4	14.8	0.0
126	1	0.0	2.2	7.1	0.0	0.7	1.2	24.0	2.1	4.5	0.0
131	1	5.1	28.2	11.9	0.4	1.3	1.7	12.8	7.7	1.3	0.0
8	1	0.0	0.0	1.0	0.0	0.0	1.0	10.5	7.6	16.2	0.0
8	2	0.0	0.0	0.0	0.0	0.0	0.0	11.9	2.0	9.9	0.0
9	1	0.0	0.0	0.0	0.0	0.4	0.0	3.2	25.1	8.5	0.0
9	2	0.0	0.0	0.0	0.0	0.0	0.0	0.8	4.4	6.8	0.0
9	3	0.0	0.0	0.0	0.0	0.0	0.9	0.9	8.8	7.9	0.0
11	1	0.0	0.0	0.0	0.0	0.0	12.4	3.4	13.5	16.9	0.0
11	2	0.0	0.0	0.0	0.0	0.0	0.0	8.5	17.0	51.1	0.0
11	3	0.0	0.0	0.0	0.0	1.2	5.0	7.4	18.6	39.7	0.0
4	3	0.0	0.0	0.0	0.0	0.0	7.9	0.0	19.9	143.0	0.0
4	5	0.0	6.3	0.0	0.0	0.0	8.4	0.0	4.2	128.4	2.1
3	1	0.0	1.1	0.0	0.0	0.0	16.9	3.2	4.2	4.2	0.0
3	2	0.0	4.7	0.0	0.0	0.0	20.4	1.6	3.1	44.0	0.0
3	3	0.0	0.0	0.0	0.0	0.0	20.5	3.4	6.8	13.7	0.0
1	1	1.2	0.0	0.0	0.0	0.0	0.0	0.0	2.3	8.1	0.0
1	2	0.0	0.0	0.0	0.0	0.0	2.9	1.9	6.8	11.2	0.0
1	3	0.0	0.0	0.0	0.0	0.0	1.0	1.0	13.5	2.9	0.0
2	1	0.0	0.0	0.0	0.0	0.0	3.3	0.0	0.0	60.8	0.0
2	3	0.0	3.6	0.0	0.0	0.0	21.6	0.0	0.0	72.1	0.0
2	5	0.0	0.0	0.0	0.0	0.0	5.6	5.6	1.9	45.1	0.0

Table 81. Organisms•m^{-3} in September 1999 plankton samples.

TRAN	STN	VOL[1]	COEL	SIPH	CTEN	POLY	GAST	PELE	CLAD	OSTR
109	1	19.0	0.0	0.6	0.0	0.0	0.0	0.0	15.1	0.0
104	1	18.1	0.0	0.1	0.0	0.0	0.0	0.0	0.2	0.0
114	1	18.8	0.0	0.0	0.0	0.1	0.0	0.0	0.6	0.0
117	1	17.2	0.1	0.0	0.0	0.0	0.0	0.0	0.9	0.0
120	1	14.8	0.5	0.5	0.0	0.3	0.0	0.0	0.0	0.0
124	1	19.2	1.1	0.2	4.3	0.0	0.4	0.0	0.0	0.0
128	1	20.0	0.4	0.3	4.0	0.0	0.0	0.0	0.0	0.0
135	1	18.8	0.4	0.5	2.1	0.4	0.6	0.0	0.0	0.2
8	1	18.2	15.0	16.8	35.8	12.5	52.7	0.0	0.0	0.2
8	2	19.5	13.7	21.7	89.9	8.2	21.3	0.0	0.0	0.0
8	3	14.6	11.1	9.0	158.5	21.9	179.4	0.0	0.0	0.0
9	1	14.2	1.1	4.5	87.5	45.0	40.5	4.5	0.0	0.0
9	2	16.4	8.8	0.1	30.7	7.8	42.8	0.0	0.0	0.0
9	3	18.7	0.0	0.4	31.2	0.4	30.8	0.0	0.0	0.0
10	1	19.0	0.1	0.7	2.3	0.1	37.0	0.0	0.0	7.1
10	3	20.0	20.0	3.2	17.6	23.2	6.4	3.2	0.0	172.9
10	5	18.8	7.0	3.7	24.1	3.5	8.5	0.0	0.0	0.0
36	2	19.2	0.4	0.0	9.5	30.0	73.3	0.0	0.0	0.0
4	1	23.6	1.6	2.9	2.4	19.7	9.5	6.8	5.4	0.0
4	3	10.4	2.7	17.3	18.4	70.6	49.1	18.4	15.3	0.0
4	5	15.1	17.4	0.7	0.0	2.6	10.6	0.0	8.5	0.0
3	1	16.2	1.2	0.1	13.6	33.7	20.8	54.4	1.0	0.0
3	2	18.7	2.1	2.1	29.9	20.6	29.9	4.3	1.7	0.0
3	3	19.8	8.2	3.4	25.2	22.6	42.0	0.0	0.0	0.0
3	9	19.1	8.0	3.8	16.8	3.6	13.4	0.0	0.0	0.0
5	1	14.8	4.9	0.0	0.5	60.5	47.5	4.3	0.0	0.0
5	2	19.7	12.3	0.2	21.8	100.5	347.0	19.5	0.0	0.0
5	3	18.1	4.1	0.4	10.6	92.3	410.2	7.1	0.0	0.0
1	1	17.2	40.3	1.2	24.0	8.6	50.3	0.9	7.5	0.0
1	2	18.8	3.8	1.7	7.8	2.6	0.0	0.0	0.0	0.0
25	5	18.9	0.0	0.0	0.0	39.4	82.5	3.4	0.0	0213.3
2	1	10.2	57.1	592.7	52.8	12.9	31.3	0.0	6.3	0.0
2	3	13.6	10.6	670.4	50.1	2.9	23.6	7.1	0.0	0.0
2	5	12.6	23.7	634.5	30.7	0.3	10.2	0.0	10.2	0.0
6	1	16.5	3.9	10.2	1.5	19.5	33.0	0.0	15.6	0.1
6	3	16.9	11.8	11.9	1.2	11.5	28.3	0.0	1.9	0.0
6	5	17.3	15.6	15.9	8.4	18.6	38.7	0.0	1.8	1.8

VOL=m^3 of water filtered through plankton net.

Table 81 cont'd

TRAN	STN	COPE[2]	SHRI	CRAZ	CRAM	BARN	ISOP	AMPH	EUPL	EUPA
109	1	281.8	0.0	1.7	0.0	11.8	0.0	17.8	8.2	6.9
104	1	45.3	0.0	0.0	0.0	3.1	0.0	0.1	0.0	3.3
114	1	44.6	0.1	1.3	0.0	1.7	0.0	2.1	3.3	0.0
117	1	230.3	0.1	1.0	0.1	0.0	0.0	1.9	5.6	0.0
120	1	22.8	0.3	0.8	0.1	1.9	0.0	0.0	4.1	0.0
124	1	74.5	0.0	0.1	0.0	0.0	0.0	1.2	0.9	0.0
128	1	19.2	0.0	0.2	0.0	0.4	0.1	1.0	0.0	0.0
135	1	30.1	0.2	0.2	0.0	1.3	0.0	0.3	0.0	0.0
8	1	130.4	2.3	1.9	0.1	8.8	0.0	4.9	24.8	0.0
8	2	122.4	7.6	3.3	0.0	6.5	0.0	13.5	18.6	0.0
8	3	48.1	5.3	0.0	0.0	26.3	0.0	9.4	4.4	0.0
9	1	198.2	2.3	0.6	0.6	13.5	5.3	9.3	252.5	0.0
9	2	354.2	1.9	0.1	0.5	15.6	0.1	44.7	122.2	0.0
9	3	388.6	3.0	0.4	0.0	3.4	0.0	118.1	80.5	0.0
10	1	404.4	3.9	0.0	0.2	10.1	0.1	0.4	4.6	0.9
10	3	579.5	5.6	0.0	0.0	6.4	0.0	80.0	23.2	20.0
10	5	312.5	9.2	0.2	0.0	1.7	0.0	8.5	8.5	0.0
36	2	236.4	2.7	0.3	0.3	50.0	0.0	34.3	63.8	0.0
4	1	65.9	0.5	0.1	0.0	95.7	0.1	3.0	6.1	0.0
4	3	379.7	1.9	7.1	0.8	322.2	1.0	43.9	19.2	0.0
4	5	55..0	9.1	8.9	0.0	7.4	0.2	2.2	0.5	0.0
3	1	98.0	0.8	4.3	0.2	3.0	0.0	2.5	6.1	0.0
3	2	101.6	1.6	3.9	0.2	4.3	0.0	9.8	11.2	0.0
3	3	258.5	0.3	4.2	0.4	0.0	0.0	13.3	16.2	0.0
3	9	679.0	0.0	3.4	0.0	6.7	0.0	81.8	89.4	0.0
5	1	248.1	2.2	0.1	0.0	4.4	0.0	10.8	2.2	0.0
5	2	368.3	1.3	0.0	0.0	6.5	0.0	16.5	42.2	0.0
5	3	1004.8	7.6	1.5	0.8	7.1	0.0	8.3	77.9	0.2
1	1	77.5	13.0	1.2	3.5	6.5	0.0	35.2	0.0	0.0
1	2	83.6	1.2	2.6	0.3	0.0	0.0	35.2	1.7	0.0
25	5	627.1	0.0	0.0	0.0	0.0	0.0	58.0	3.4	97.7
2	1	410.1	28.6	0.8	0.0	81.4	0.0	7.8	6.3	0.0
2	3	134.3	5.3	1.8	0.0	25.9	2.9	0.0	0.0	1.2
2	5	285.4	14.9	4.0	1.1	30.5	0.5	10.8	10.2	0.0
6	1	60.3	10.3	1.0	0.2	212.0	0.0	11.7	0.0	0.0
6	3	98.6	8.9	2.7	0.2	138.0	0.0	15.8	0.0	0.0
6	5	81.2	15.7	11.3	0.1	177.4	0.0	5.6	0.0	0.0

[2]Copepods listed by species in Table 82

Table 81 cont'd

TRAN	STN	INSE	ECTO	ECHI	CHAE	LARV	THAL	TELA	EGGS
109	1	0.0	0.0	0.0	1.0	8.4	0.0	0.2	0.0
104	1	0.0	0.0	0.0	0.6	2.0	0.0	0.0	0.0
114	1	0.0	0.1	0.0	4.3	11.7	0.0	0.0	3.8
117	1	0.0	0.0	0.0	2.6	4.7	0.0	0.0	2.8
120	1	0.0	0.3	0.0	5.1	26.2	0.0	0.0	1.1
124	1	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0
128	1	0.0	0.1	0.0	0.0	3.3	0.0	0.0	0.7
135	1	0.0	0.0	0.2	0.0	34.1	0.2	0.0	0.0
8	1	0.0	7.0	24.6	0.0	63.3	0.0	0.0	1.8
8	2	0.0	13.1	55.7	0.0	65.5	0.0	0.2	0.0
8	3	0.0	35.0	48.1	0.0	131.3	0.0	0.0	0.0
9	1	0.0	18.0	216.2	0.0	162.1	0.0	0.6	671.1
9	2	3.9	7.8	140.2	0.9	140.2	0.0	0.0	537.5
9	3	0.0	10.3	0.0	0.0	109.6	0.0	0.0	657.3
10	1	0.0	16.8	10.1	0.4	37.1	0.0	0.0	3.4
10	3	0.0	6.4	6.4	3.2	3.2	0.0	0.8	28.8
10	5	0.0	6.8	3.4	0.1	17.0	0.0	0.0	6.8
36	2	0.0	0.0	0.0	3.4	56.7	0.0	0.0	116.7
4	1	0.0	2.0	2.7	0.0	109.9	0.0	0.0	0.0
4	3	0.0	0.0	9.2	0.0	297.6	0.0	0.0	0.0
4	5	0.0	1.1	0.0	0.0	1.1	0.0	0.0	0.0
3	1	0.0	10.9	4.9	0.0	13.8	0.0	0.0	0.0
3	2	0.0	3.4	4.3	0.0	19.6	0.0	0.9	0.0
3	3	0.0	3.2	23.0	0.0	84.0	0.0	0.0	0.0
3	9	0.0	0.0	16.8	0.0	107.4	0.0	0.4	36.9
5	1	0.0	4.3	0.0	0.0	34.5	0.0	0.0	0.0
5	2	0.0	16.2	6.5	0.0	45.4	0.0	0.0	3.2
5	3	0.0	0.0	35.4	0.0	162.7	0.0	0.0	0.0
1	1	0.0	2.8	0.0	0.0	0.9	0.0	0.0	0.9
1	2	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.9
25	5	0.0	0.0	0.0	13.1	0.0	0.0	0.0	0.0
2	1	0.0	0.0	0.0	0.0	544.6	0.0	0.4	31.3
2	3	0.0	0.0	0.0	0.0	299.3	0.0	0.0	0.0
2	5	0.0	0.0	0.0	0.0	610.2	0.0	0.2	40.7
6	1	0.1	0.0	56.4	0.0	202.2	0.0	0.0	0.0
6	3	0.1	1.9	1.9	0.0	151.2	0.0	0.0	0.0
6	5	0.0	0.0	92.3	1.9	125.5	0.0	0.1	0.1

Table 82. Copepods•m^{-3} in September 1999 plankton samples.

TRAN	STN	UCAL	EBUN	CMAR	CPAC	EJAP	ELON	MPAC	CGRA	ADIV	TDIS
109	1	1.7	0.0	7.8	5.0	0.0	0.0	0.0	0.0	0.0	25.4
104	1	0.0	0.0	0.3	0.6	0.0	0.0	0.7	0.0	0.0	0.9
114	1	0.1	0.0	0.9	0.6	0.0	0.0	0.9	0.4	0.0	4.3
117	1	0.0	0.0	1.4	1.3	0.0	0.3	2.1	3.1	0.0	77.6
120	1	0.0	0.0	1.1	1.1	0.0	0.0	0.8	0.0	0.0	1.1
124	1	0.0	0.0	4.8	4.8	0.0	0.0	0.0	0.0	0.0	1.8
128	1	0.0	0.0	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.3
135	1	0.4	0.0	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.2
8	1	0.0	1.1	2.6	82.6	0.0	0.0	0.0	0.0	0.0	0.0
8	2	0.0	0.6	47.7	47.9	0.0	0.0	0.0	0.0	0.0	0.0
8	3	17.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	1	58.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	2	0.0	0.5	98.8	98.8	0.0	0.1	0.1	0.0	0.0	0.0
9	3	0.0	0.4	130.1	124.5	0.0	0.0	0.0	0.0	0.0	0.0
10	1	0.0	1.9	90.6	86.2	0.0	0.0	161.8	0.0	0.0	0.0
10	3	0.0	77.6	203.3	195.3	0.0	0.0	48.8	0.0	3.2	0.0
10	5	0.0	0.7	86.9	87.0	0.0	0.0	0.0	0.0	0.0	0.0
36	2	0.0	0.2	80.7	84.7	0.0	0.0	0.0	0.0	0.0	0.0
4	1	0.0	0.0	6.1	6.2	0.0	0.0	0.0	0.0	0.0	6.1
4	3	0.0	0.0	149.2	165.3	0.0	0.0	0.0	0.0	0.0	18.4
4	5	0.0	0.0	0.8	0.8	0.0	0.0	0.0	0.0	0.0	46.0
3	1	0.1	0.0	12.9	11.9	0.0	0.0	0.0	0.0	0.0	0.0
3	2	0.0	0.0	7.7	7.7	0.0	0.0	0.0	0.0	0.0	0.9
3	3	0.0	0.0	12.9	12.9	0.0	0.0	0.0	0.0	0.0	0.0
3	9	0.0	0.0	240.5	237.1	0.0	0.0	0.0	0.0	0.0	0.0
5	1	12.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	2	0.2	0.0	32.4	29.2	0.0	0.1	0.1	0.0	0.0	0.0
5	3	0.0	0.0	134.6	134.6	0.0	0.0	0.1	0.0	0.0	0.0
1	1	0.2	0.0	15.8	15.8	0.0	0.0	0.0	0.0	0.0	0.0
1	2	0.0	0.1	5.1	4.3	0.0	0.0	0.9	0.0	0.0	0.0
25	5	0.0	0.8	192.1	189.6	0.4	0.0	169.7	0.0	0.0	0.0
2	1	0.0	0.0	139.0	133.4	0.0	0.0	0.0	0.0	0.0	0.0
2	3	0.0	0.0	35.3	35.3	0.0	0.0	0.0	0.0	0.0	0.0
2	5	0.0	0.0	91.8	91.8	0.0	0.0	0.0	0.0	0.0	0.0
6	1	0.0	0.0	11.7	9.7	0.0	0.0	0.0	0.0	0.0	0.0
6	3	0.0	0.0	15.3	13.3	0.0	0.0	0.0	0.0	0.0	0.0
6	5	0.0	0.0	12.9	12.9	0.0	0.0	0.0	0.0	0.0	0.0

Table 82 cont'd

TRAN	STN	ALON	SMIN	PPAR	PMIN	OBOR	OITH	CANG	UHAR	UMON
109	1	117.6	0.0	0.0	114.2	0.0	10.1	0.0	0.0	0.0
104	1	17.2	0.0	0.0	24.1	0.0	1.5	0.0	0.0	0.0
114	1	10.4	0.0	0.0	26.0	0.0	0.6	0.4	0.0	0.0
117	1	9.3	0.0	0.0	131.5	0.0	1.9	1.9	0.0	0.0
120	1	2.4	0.0	0.0	14.6	0.0	0.3	1.4	0.0	0.0
124	1	12.9	0.0	0.0	42.8	0.0	1.2	6.2	0.0	0.0
128	1	4.5	0.0	0.3	4.2	0.0	0.4	8.9	0.0	0.0
135	1	3.8	0.0	2.1	6.8	0.0	5.8	8.5	0.2	0.0
8	1	5.3	0.0	15.8	3.6	0.0	5.3	14.1	0.0	0.0
8	2	9.8	0.0	4.9	8.2	0.0	0.0	3.3	0.0	0.0
8	3	4.4	0.0	21.9	4.4	0.0	0.0	0.0	0.0	0.0
9	1	18.0	0.0	90.1	0.0	0.0	9.0	22.5	0.0	0.0
9	2	0.0	0.0	97.4	15.6	0.0	11.7	31.2	0.0	0.0
9	3	0.0	0.0	89.0	37.7	0.0	0.0	6.8	0.0	0.0
10	1	0.0	0.0	10.1	10.1	0.0	40.4	3.4	0.0	1.7
10	3	0.0	0.0	12.8	32.0	0.0	3.2	3.2	0.0	0.0
10	5	0.0	1.7	30.6	90.2	0.0	11.9	0.0	1.7	0.0
36	2	3.3	0.0	27.1	10.3	0.0	0.0	30.0	0.0	0.0
4	1	0.0	0.0	23.1	6.8	0.0	0.0	17.0	0.7	0.0
4	3	0.0	0.0	31.1	0.4	0.0	3.1	12.3	0.0	0.0
4	5	0.0	0.0	1.8	0.8	0.0	1.1	3.7	0.0	0.0
3	1	0.0	0.0	63.3	2.0	0.0	0.0	7.9	0.0	0.0
3	2	0.9	0.0	81.7	6.0	0.0	0.0	6.8	0.0	0.0
3	3	0.0	0.0	210.0	9.7	0.0	0.0	12.9	0.0	0.0
3	9	0.0	0.0	50.4	40.3	0.0	3.4	107.4	0.0	0.0
5	1	0.0	0.0	204.9	0.0	0.0	0.0	30.2	0.0	0.0
5	2	0.0	0.0	240.0	32.4	0.0	0.0	51.9	0.0	0.0
5	3	7.1	0.0	459.7	169.7	0.0	0.0	99.0	0.0	0.0
1	1	0.0	0.9	28.9	0.0	0.0	0.9	14.9	0.0	0.0
1	2	0.0	0.0	37.5	23.0	0.9	0.0	11.9	0.0	0.0
25	5	0.0	0.0	30.5	37.2	0.0	0.0	6.8	0.0	0.0
2	1	0.0	0.0	37.6	0.0	0.0	6.3	93.9	0.0	0.0
2	3	0.0	0.0	21.2	4.7	0.0	2.4	35.3	0.0	0.0
2	5	0.0	0.0	0.0	0.0	0.0	10.2	91.5	0.0	0.0
6	1	0.0	0.0	25.3	3.9	0.0	0.0	9.7	0.0	0.0
6	3	1.9	0.0	43.5	3.8	0.0	0.0	20.8	0.0	0.0
6	5	3.7	0.0	27.7	1.8	0.0	0.0	22.1	0.0	0.0

Table 83. Organisms•m^{-3} in September 2000 plankton samples.

TRAN	STN	VOL[1]	COEL	SIPH	CTEN	POLY	GAST	PELE	CLAD
8	1	7.4	1.1	119.1	0.3	0.3	86.1	0.0	8.6+
8	2	8.9	0.5	420.4	10.6	0.0	43.3	0.0	0.0
8	3	12.3	11.4	364.4	12.8	15.6	182.1	0.0	0.0
9	1	13.2	4.9	22.1	0.2	2.4	2.4	0.0	2.4
9	3	15.3	0.3	8.4	0.5	1.6	8.4	0.0	0.0
9	5	13.1	0.0	14.6	0.0	0.6	4.9	0.0	4.9
10	1	15.0	0.4	76.8	9.9	10.7	0.0	0.0	0.0
10	3	17.2	2.4	29.1	1.2	0.2	0.9	0.5	0.0
10	5	17.9	1.2	12.7	0.1	0.2	0.0	0.0	0.0
36	2	12.3	0.3	0.4	0.2	0.0	0.0	0.0	20.7
3	1	15.6	0.0	6.8	0.0	0.1	22.6	0.0	15.4
3	2	18.6	0.1	13.9	0.0	0.0	8.6	0.0	0.0
3	3	18.7	0.1	19.6	0.0	0.0	18.0	0.0	0.0
5	1	10.8	0.0	0.2	0.2	0.1	183.7	5.9	260.5
5	2	7.2	0.3	37.3	0.3	8.9	17.8	0.0	8.9
5	3	6.4	0.5	46.0	0.6	0.0	30.1	0.0	0.0
1	1	7.1	0.0	45.4	0.3	36.0	35.8	26.9	89.6
1	2	7.1	0.0	1.7	0.0	36.0	54.0	36.0	18.0
1	3	9.6	14.9	20.4	0.0	0.0	106.5	53.2	0.0
25	4	6.5	0.0	27.3	0.0	198.9	69.4	24.8	29.7
2	1	8.7	9.0	510.7	24.3	37.0	14.8	0.0	7.4
2	3	5.8	6.0	232.6	3.4	54.8	5.5	5.5	11.0
2	5	9.2	1.1	236.1	2.0	24.5	0.0	0.0	7.0

VOL=m^3 of water filtered through plankton net.

Table 83 cont'd

TRAN	STN	OSTR	COPE[2]	SHRI	CRAZ	CRAM	BARN	ISOP	AMPH
8	1	0.0	756.3	9.7	11.0	0.0	77.5	0.0	0.0
8	2	0.0	392.9	5.0	8.3	0.0	28.8	0.0	0.2
8	3	0.0	380.3	41.5	0.2	0.0	36.4	0.0	5.5
9	1	0.0	357.9	2.7	0.3	0.0	2.4	0.2	0.0
9	3	0.0	444.6	1.0	0.0	0.0	0.0	0.0	8.1
9	5	0.0	543.2	0.2	0.0	0.0	0.0	0.0	0.5
10	1	0.0	45.2	3.3	0.0	0.0	8.7	2.1	0.0
10	3	0.0	38.4	0.0	0.5	0.0	0.5	0.0	2.2
10	5	0.2	26.3	0.4	0.4	0.0	1.5	0.1	0.5
36	2	5.2	374.0	0.9	0.2	0.1	10.8	0.0	6.2
3	1	0.0	220.5	0.3	0.0	0.0	40.4	0.1	1.2
3	2	0.0	172.4	0.2	0.0	0.0	3.4	0.0	8.7
3	3	0.0	177.2	0.2	0.0	0.0	4.3	0.0	1.7
5	1	0.0	165.9	18.0	0.7	0.1	48.2	0.5	5.9
5	2	0.0	732.1	2.1	0.3	0.1	35.6	0.0	8.9
5	3	0.0	933.8	0.5	0.2	0.0	40.2	0.0	0.2
1	1	0.0	1586.0	9.1	0.0	0.0	73.1	0.0	0.0
1	2	0.0	10573.4	0.1	0.0	0.0	0.0	0.0	0.0
1	3	0.0	7576.8	0.2	0.0	0 0	0.0	0.0	0.3
25	4	0.0	2158.6	0.6	0.0	0.6	79.3	0.0	0.0
2	1	0.0	133.2	11.3	3.9	0.2	218.5	0.0	0.2
2	3	0.0	296.2	5.8	5.5	0.7	319.0	0.0	0.3
2	5	0.0	229.6	1.2	7.6	0.1	80.4	0.1	0.4

[2]Copepods listed by species in Table 84

Table 83 cont'd

TRAN	STN	EUPL	EUPA	INSE	ECTO	ECHI	CHAE	LARV	TELA	EGGS
8	1	0.3	0.0	0.0	0.0	0.0	0.0	1723.4	0.0	0.0
8	2	0.0	0.0	0.0	7.2	0.0	0.5	1773.7	0.0	0.0
8	3	0.0	0.0	0.0	15.6	0.0	0.1	718.0	0.0	0.0
9	1	0.0	0.0	0.0	0.0	4.9	0.0	381.4	0.0	0.0
9	3	0.0	17.0	0.3	0.0	0.0	2.1	186.0	0.0	0.0
9	5	0.0	14.3	0.0	0.0	0.0	0.0	292.2	0.0	0.0
10	1	17.1	0.0	0.0	2.1	0.0	0.0	196.4	0.0	17.1
10	3	3.3	5.9	0.0	0.0	0.5	0.7	55.0	0.0	16.3
10	5	0.0	0.3	0.0	0.0	0.0	0.3	1.6	0.0	0.0
36	2	0.0	0.0	0.0	0.0	5.2	0.2	420.1	0.0	5.2
3	1	12.5	0.0	0.1	7.2	0.0	0.1	188.0	0.0	0.0
3	2	15.7	0.0	0.0	0.0	0.0	0.2	70.4	0.1	22.3
3	3	6.9	0.0	0.0	0.0	0.0	0.3	61.7	0.0	2.6
5	1	17.8	0.0	0.0	0.0	0.0	0.0	692.8	0.0	0.0
5	2	9.2	0.0	0.0	0.0	0.0	0.1	1433.0	0.1	26.7
5	3	0.2	0.0	0.0	0.0	10.0	0.3	1526.7	0.2	30.1
1	1	9.0	0.0	0.0	0.0	0.0	0.0	716.9	0.0	26.9
1	2	0.0	0.0	0.0	72.0	18.0	0.1	252.2	0.0	198.1
1	3	13.4	0.0	0.0	13.3	0.0	14.2	53.2	0.0	146.4
25	4	44.6	0.0	0.0	9.9	14.9	0.0	555.3	0.0	357.0
2	1	3.7	0.0	0.0	14.8	0.0	0.0	880.4	0.0	173.9
2	3	5.5	0.0	0.0	5.5	0.0	0.0	822.7	0.0	93.4
2	5	0.0	0.0	0.0	24.5	0.0	0.0	367.0	0.0	7.0

Table 84. Copepods•m^{-3} in September 2000 plankton samples.

TRAN	STN	UCAL	EBUN	CMAR	CPAC	EJAP	ELON	MPAC	CABD
8	1	0.0	0.5	97.8	98.6	0.0	0.0	0.0	0.0
8	2	0.0	0.7	85.3	96.5	0.0	0.0	0.0	0.0
8	3	0.0	0.3	54.4	54.5	0.0	0.0	2.8	0.0
9	1	0.0	0.1	13.5	13.7	0.0	0.0	0.2	0.0
9	3	10.8	0.0	82.8	84.3	0.0	0.0	36.8	0.0
9	5	13.2	0.0	79.2	80.3	0.2	0.0	79.7	0.0
10	1	4.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0
10	3	0.5	0.3	9.8	10.6	0.0	0.0	6.5	0.0
10	5	0.1	0.0	0.6	0.6	0.0	0.0	6.5	0.2
36	2	0.0	0.0	40.5	40.8	0.0	0.0	3.3	3.1
3	1	0.0	0.3	48.0	48.0	0.0	0.0	23.6	0.0
3	2	0.0	0.0	9.6	10.0	0.0	0.0	44.6	0.0
3	3	0.0	0.1	23.7	24.1	0.0	0.1	31.5	0.0
5	1	11.8	0.0	0.0	0.0	0.0	0.0	0.1	0.0
5	2	0.0	0.0	67.7	68.0	0.0	0.0	0.0	0.0
5	3	84.4	0.6	130.6	131.9	0.0	0.0	0.0	0.0
1	1	14.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	2	0.0	0.1	29.6	29.4	0.0	0.0	0.0	0.0
1	3	299.5	0.1	1.1	1.1	0.0	0.0	0.0	0.0
25	4	0.0	0.6	57.2	57.2	0.0	0.0	0.0	0.0
2	1	0.0	0.0	3.7	3.7	0.0	0.0	0.0	0.0
2	3	0.0	0.0	8.7	8.7	0.0	0.0	0.0	0.0
2	5	8.7	0.0	13.1	19.0	0.0	0.0	0.0	0.0

Table 84 cont'd

TRAN	STN	TDIS	ALON	PPAR	PMIN	UCYC	OITH	CANG	UHAR	UMON
8	1	0.0	0.0	103.3	8.6	0.0	421.7	25.8	0.0	0.0
8	2	0.0	0.0	33.1	18.7	0.0	129.8	28.8	0.0	0.0
8	3	0.0	0.0	54.9	0.0	0.0	171.7	41.6	0.0	0.0
9	1	0.0	2.4	32.8	18.2	0.0	276.9	0.0	0.0	0.0
9	3	0.0	0.0	23.0	2.1	0.0	196.5	8.4	0.0	0.0
9	5	0.0	4.9	40.6	11.4	0.0	228.9	4.9	0.0	0.0
10	1	0.0	0.0	8.5	0.0	0.0	17.1	14.9	0.0	0.0
10	3	0.0	0.0	1.4	0.0	0.0	6.5	2.8	0.0	0.0
10	5	0.2	0.0	0.0	0.7	0.0	17.0	0.4	0.0	0.0
36	2	0.0	5.2	106.8	96.4	0.0	57.0	20.7	0.0	0.0
3	1	4.1	1.0	1.0	1.0	0.0	91.4	2.1	0.0	0.0
3	2	1.7	1.7	5.2	5.2	0.0	89.3	5.2	0.0	0.0
3	3	0.1	0.9	11.1	3.4	0.0	67.7	14.6	0.0	0.0
5	1	41.4	11.8	71.1	0.0	0.0	11.8	17.8	0.0	0.0
5	2	0.0	17.8	235.9	66.8	0.0	231.4	44.5	0.0	0.0
5	3	0.0	0.0	192.8	82.3	0.0	210.8	100.4	0.0	0.0
1	1	9.0	0.0	91.4	64.5	439.1	905.0	62.7	0.0	0.0
1	2	0.0	0.0	790.3	556.1	2683.7	6340.1	144.1	0.0	0.0
1	3	0.0	0.0	615.7	322.8	2063.3	4126.6	119.8	26.6	0.0
25	4	0.0	0.0	260.8	141.8	0.0	1398.1	213.2	24.8	5.0
2	1	0.0	0.0	29.6	14.8	0.0	11.1	70.3	0.0	0.0
2	3	0.0	0.0	101.0	35.1	0.0	54.8	87.8	0.0	0.0
2	5	0.0	0.0	47.2	26.2	0.0	59.4	55.9	0.0	0.0

Table 85. Organisms•m^{-3} in September 2001 plankton samples.

TRAN	STN	VOL[1]	COEL	SIPH	CTEN	POLY	GAST	PELE	NAUP	CLAD
8	1	13.9	0.6	2.4	0.8	11.6	4.6	0.0	0.0	36.7
8	2	14.7	0.5	3.5	4.7	0.1	76.2	0.0	0.0	17.4
8	3	13.9	1.7	6.7	1.3	0.0	4.6	0.0	0.0	2.3
9	1	15.0	1.0	0.8	0.1	0.0	1.6	0.0	0.0	1.6
9	3	16.4	4.8	2.3	5.8	0.0	23.5	0.0	0.0	0.0
9	5	15.7	3.3	1.3	2.6	0.0	8.2	0.0	0.0	0.0
10	1	16.0	1.8	0.3	0.1	0.0	3.0	0.0	0.0	0.5
10	3	17.2	0.1	0.6	0.0	0.0	4.7	0.0	0.0	0.0
10	5	13.4	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0
11	1	18.1	1.2	6.1	2.3	0.0	17.7	0.0	0.6	23.0
11	3	16.5	4.7	0.5	0.8	0.0	0.0	0.0	0.0	2.9
11	5	18.1	2.6	2.3	0.1	0.0	4.0	0.0	0.0	1.8
37	1	13.6	0.6	0.0	0.1	0.0	5.3	0.0	0.0	0.0
37	2	14.6	0.1	0.4	0.0	0.0	2.7	0.0	0.0	0.0
37	4	13.2	2.4	1.9	2.1	0.0	0.9	0.0	0.0	2.7
36	4	17.7	0.2	1.2	0.4	0.0	0.0	0.0	0.0	0.0
4	1	9.1	7.2	14.0	0.0	14.0	0.0	0.0	0.0	84.1
4	3	14.5	0.2	37.6	0.0	8.8	4.4	0.0	0.0	74.9
3	1	11.3	0.1	0.2	0.0	0.0	0.0	0.0	0.0	234.9
3	2	15.0	0.2	0.0	0.0	0.0	2.1	0.0	0.0	17.1
3	3	18.5	0.0	0.9	0.0	0.0	0.0	0.0	0.0	1.7
3	4	15.7	0.0	0.1	0.0	0.0	1.0	0.0	0.0	0.0
3	5	17.2	0.1	0.0	0.0	0.2	0.5	0.0	0.0	0.0
5	1	12.8	1.6	0.0	0.1	0.0	18.5	0.0	0.0	6.6
5	2	15.3	0.3	0.0	0.0	1.6	3.7	0.0	0.0	1.0
5	3	16.0	0.4	0.3	0.0	1.3	0.8	0.0	0.0	0.3
5	8	16.8	0.2	1.9	0.0	0.0	0.0	0.0	0.0	0.0
1	1	11.6	1.0	0.3	0.1	13.8	8.3	0.0	0.0	321.9
1	2	16.0	0.1	2.2	0.0	3.0	8.0	1.0	0.0	74.8
1	3	14.7	0.2	1.4	0.1	0.0	14.1	0.0	0.0	32.6
1	4	14.5	0.3	2.5	0.0	3.3	7.7	0.0	0.0	13.3
1	5	14.8	0.0	2.4	0.0	0.0	2.2	0.0	0.0	10.8
25	4	14.5	0.4	2.3	0.0	22.7	4.4	0.0	0.0	5.5
2	1	4.4	36.5	231.9	7.7	7.2	21.7	0.0	0.0	195.7
2	2	5.4	36.9	301.7	10.0	5.9	5.9	0.0	0.0	118.1
2	3	6.1	50.7	441.6	9.2	31.4	10.5	0.0	0.0	62.8
2	4	8.2	32.8	390.1	6.4	39.6	7.8	3.9	0.0	47.0
2	5	7.3	41.1	506.2	11.3	22.0	30.8	0.0	0.0	52.8
6	1	9.7	19.9	7.3	0.2	19.7	19.7	0.0	0.0	401.2
6	2	10.6	0.3	0.0	0.3	0.0	9.1	0.0	0.0	87.6
6	3	11.3	0.8	0.1	0.0	8.5	8.5	0.0	0.0	67.8
6	4	12.1	0.9	0.0	0.0	1.4	18.5	0.0	0.0	37.0
6	5	12.8	3.8	0.0	0.0	2.5	2.5	0.0	0.0	64.8

VOL=m^3 of water filtered through plankton net.

Table 85 cont'd

TRAN	STN	OSTR	COPE[2]	SHRI	CRAZ	CRAM	BARN	ISOP	AMPH	EUPL
8	1	0.0	59.8	6.2	0.2	0.1	730.8	0.0	0.3	2.3
8	2	0.0	85.0	16.7	3.3	0.5	50.1	0.0	0.0	4..4
8	3	0.0	101.9	3.1	1.7	0.4	50.8	0.0	2.3	11.5
9	1	0.0	69.0	1.1	0.5	0.0	2.1	0.0	1.1	44.8
9	3	0.1	202.3	0.2	0.2	0.1	2.0	0.0	0.5	15.6
9	5	0.0	125.7	1.7	0.0	0.2	4.1	0.0	0.1	11.3
10	1	0.0	90.0	3.9	0.0	0.0	7.6	0.0	0.1	0.0
10	3	0.0	29.4	0.0	0.0	0.0	0.2	0.0	1.5	0.9
10	5	0.0	17.8	0.0	0.0	0.0	0.0	0.0	1.4	1.5
11	1	0.1	206.4	7.0	2.7	0.1	55.0	0.0	0.6	12.6
11	3	0.0	153.8	1.4	1.9	0.0	1.9	0.0	7.9	3.9
11	5	0.0	64.4	0.5	0.0	0.0	11.0	0.0	3.2	0.0
37	1	0.0	26.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0
37	2	0.0	29.5	0.0	0.0	0.0	0.8	0.0	0.5	0.0
37	4	0.0	11.8	6.8	0.3	0.1	42.6	0.0	1.2	3.9
36	4	0.0	283.6	0.1	0.1	0.0	5.4	0.0	0.6	0.3
4	1	0.0	42.2	0.5	0.3	0.2	2580.5	0.0	0.0	14.1
4	3	0.0	203.2	0.5	1.4	0.6	647.3	0.0	0.2	0.1
3	1	0.0	161.5	0.4	4.3	0.0	203.8	0.0	0.0	0.0
3	2	0.0	114.0	0.1	0.3	0.1	113.2	0.0	0.0	1.1
3	3	0.0	159.5	0.3	0.2	0.0	12.1	0.0	0.1	1.0
3	4	0.0	236.4	1.5	0.1	0.0	0.0	0.0	0.1	1.8
3	5	0.0	42.9	0.0	0.2	0.0	0.7	0.1	1.0	0.2
5	1	0.0	30.8	8.8	4.4	0.2	6.3	0.0	1.6	10.3
5	2	0.0	123.7	1.1	3.1	0.1	3.2	0.0	1.1	0.0
5	3	0.0	60.8	0.1	0.8	0.0	0.8	0.0	0.8	0.5
5	8	0.0	305.3	1.0	0.1	0.0	0.0	0.0	3.9	1.0
1	1	0.0	170.6	14.9	4.0	0.1	192.6	0.0	0.0	0.0
1	2	0.0	54.1	0.2	2.1	0.0	27.4	0.0	0.0	0.0
1	3	0.0	103.3	2.4	0.1	0.1	10.9	0.0	1.1	0.0
1	4	0.0	140.3	5.3	0.1	0.0	11.1	0.0	0.0	1.1
1	5	0.0	140.5	2.8	0.2	0.0	10.8	0.0	0.1	0.0
25	4	0.0	148.3	0.0	0.0	0.1	26.5	0.0	2.3	0.0
2	1	0.0	116.0	0.2	0.5	0.0	464.1	0.0	0.0	0.0
2	2	0.0	198.5	9.0	0.4	0.0	259.8	0.0	0.0	5.9
2	3	0.0	191.4	11.8	11.3	0.0	277.2	0.0	0.3	0.0
2	4	0.0	199.6	7.8	1.0	0.2	109.6	0.0	0.0	0.0
2	5	0.0	181.7	17.5	5.9	0.3	96.8	0.0	0.0	8.8
6	1	0.0	53.0	7.8	1.6	0.1	368.3	0.0	0.0	6.7
6	2	0.0	60.5	1.3	0.4	0.2	293.0	0.0	0.1	0.1
6	3	0.0	96.1	10.7	4.0	0.1	293.8	0.0	0.2	0.1
6	4	0.0	50.2	28.0	0.3	0.0	223.1	0.0	1.7	2.6
6	5	0.1	112.0	2.3	8.6	0.7	241.9	0.0	0.4	0.2

[2]Copepods listed by species in Table 86

Table 85 cont'd

TRAN	STN	EUPA	INSE	ECTO	ECHI	CHAE	LARV	TELA	EGGS
8	1	0.0	0.9	2.3	0.0	0.0	153.9	0.0	0.1
8	2	0.0	0.1	0.0	0.0	0.0	213.3	0.0	0.0
8	3	0.0	0.0	0.0	0.0	0.0	332.4	0.0	0.0
9	1	0.2	0.0	0.5	0.0	0.0	28.8	0.0	0.0
9	3	0.0	0.0	0.0	0.0	0.2	101.6	0.0	35.2
9	5	1.3	0.0	0.0	0.0	1.8	103.2	0.0	0.0
10	1	0.1	0.0	0.0	0.0	0.0	10.5	0.0	0.0
10	3	0.0	0.0	0.0	0.0	0.3	0.7	0.0	0.0
10	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
11	1	0.1	0.0	1.8	0.0	0.2	101.0	0.0	7.1
11	3	0.0	0.0	0.0	0.0	0.4	7.8	0.0	2.9
11	5	0.0	0.0	0.0	0.0	0.5	19.0	0.0	1.3
37	1	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0
37	2	0.0	0.0	0.0	0.0	0.0	0.8	0.1	0.0
37	4	0.0	0.0	0.0	0.0	0.0	12.4	0.0	0.0
36	4	0.0	0.2	0.0	0.0	0.0	19.9	0.1	0.9
4	1	0.0	0.0	0.0	0.0	0.0	1527.1	0.0	0.0
4	3	0.0	0.0	0.0	0.0	0.0	638.5	0.0	0.0
3	1	0.0	0.0	0.0	0.0	0.3	735.8	0.0	0.0
3	2	0.0	0.0	0.0	0.0	0.0	212.6	0.0	0.1
3	3	0.0	0.0	0.0	0.0	0.2	23.4	0.0	0.0
3	4	0.8	0.0	0.0	0.0	0.0	7.1	0.0	0.0
3	5	0.6	0.0	0.0	0.0	0.1	1.4	0.0	0.0
5	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	2	0.0	0.0	1.0	0.0	0.0	20.3	0.0	0.0
5	3	0.0	0.0	0.0	0.0	0.3	2.0	0.0	0.3
5	8	0.1	0.0	0.0	0.0	0.5	21.9	0.0	13.3
1	1	0.0	0.0	0.0	0.0	0.0	942.5	0.0	2.8
1	2	0.0	0.1	1.0	0.0	0.0	268.4	0.0	5.1
1	3	0.0	0.0	1.1	0.0	0.0	244.8	0.0	6.5
1	4	0.0	0.0	1.1	0.0	0.0	329.3	0.0	14.4
1	5	0.0	0.0	0.0	0.0	0.0	303.9	0.0	15.1
25	4	1.1	0.0	0.0	0.0	15.4	107.0	0.0	19.9
2	1	0.0	0.0	7.2	7.2	0.0	2275.7	0.0	58.0
2	2	0.0	0.0	0.0	129.9	0.0	1765.4	0.2	82.7
2	3	0.0	0.0	0.0	94.1	0.0	847.3	0.0	5.2
2	4	0.0	0.0	0.0	43.0	0.0	571.3	0.0	3.9
2	5	0.0	0.0	0.0	105.6	0.0	257.9	0.0	0.0
6	1	0.0	0.0	0.0	0.0	0.0	1157.6	0.0	0.0
6	2	0.0	0.0	0.0	0.0	0.0	909.2	0.0	0.0
6	3	0.0	0.0	2.8	8.5	0.2	604.6	0.0	0.0
6	4	0.0	0.0	0.0	0.0	0.0	393.3	0.0	0.0
6	5	0.0	0.0	0.0	0.0	0.0	361.4	0.0	0.0

Table 86. Copepods•m^{-3} in September 2001 plankton samples.

TRAN	STN	UCAL	EBUN	CMAR	CPAC	ELON	MPAC	CABD	TDIS
8	1	16.1	0.0	0.1	0.0	0.0	0.0	2.3	0.0
8	2	13.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0
8	3	18.5	0.0	0.1	0.1	0.1	0.0	0.0	4.6
9	1	0.0	0.0	0.0	0.1	0.0	0.1	0.5	0.0
9	3	16.4	0.0	16.6	17.3	0.0	0.0	0.0	0.0
9	5	6.3	0.0	12.9	17.8	0.0	7.5	0.0	0.0
10	1	0.0	0.0	24.0	24.4	0.0	0.0	0.0	0.0
10	3	0.9	0.0	8.0	8.8	0.0	0.9	0.0	0.0
10	5	1.3	0.0	4.9	4.9	0.0	0.1	0.0	0.0
11	1	11.3	0.2	28.4	28.8	0.1	0.0	0.0	0.0
11	3	9.6	0.0	29.0	29.1	0.2	0.0	0.0	0.0
11	5	0.0	0.0	5.2	5.2	0.0	0.0	0.4	0.0
37	1	0.0	0.0	0.6	0.6	0.0	0.6	0.0	0.0
37	2	0.0	0.1	0.3	0.5	0.0	6.6	0.0	0.0
37	4	0.0	0.0	1.3	1.3	0.0	2.6	0.9	0.0
36	4	3.3	0.0	81.4	83.1	0.0	0.0	0.0	0.0
4	1	14.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0
4	3	0.3	0.0	18.5	18.8	0.0	0.0	0.0	59.9
3	1	17.0	0.0	0.0	0.2	0.0	0.0	2.8	14.2
3	2	4.0	0.0	3.9	4.0	0.0	0.1	1.1	3.2
3	3	6.2	0.0	29.6	45.8	0.0	0.0	0.0	2.6
3	4	0.0	0.0	54.0	89.7	0.0	43.9	0.0	0.0
3	5	0.9	0.1	3.6	1.5	0.0	12.6	0.0	3.0
5	1	0.0	0.0	2.0	2.0	0.0	0.1	3.9	2.2
5	2	0.0	0.1	7.6	8.0	0.0	11.2	1.6	1.0
5	3	1.7	0.1	6.4	6.4	0.0	16.8	0.0	0.5
5	8	2.4	0.3	5.2	5.6	0.0	4.8	0.0	0.0
1	1	13.2	0.0	3.3	3.3	0.0	0.0	0.0	0.1
1	2	5.0	0.0	2.5	2.6	0.0	7.5	0.0	3.5
1	3	2.0	0.0	4.1	4.1	0.0	0.0	0.0	2.2
1	4	14.2	0.0	3.5	3.5	0.0	0.0	1.1	2.2
1	5	6.6	0.1	6.6	7.0	0.0	0.0	0.0	0.0
25	4	3.0	1.7	3.6	5.5	0.0	0.0	0.0	0.0
2	1	36.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	2	65.7	0.0	0.0	3.0	0.0	0.0	0.0	0.0
2	3	36.8	0.0	0.0	2.9	0.0	0.0	0.0	0.0
2	4	0.0	0.0	28.2	35.3	0.5	0.0	0.0	0.0
2	5	2.9	0.0	25.8	29.4	0.4	0.0	0.0	0.0
6	1	6.7	0.0	0.2	0.0	0.0	0.0	0.0	0.1
6	2	12.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	3	5.7	0.0	0.0	0.0	0.0	0.0	0.0	2.8
6	4	11.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0
6	5	3.7	0.0	11.4	13.2	0.2	0.0	0.0	5.0

Table 86 cont'd

TRAN	STN	ALON	SMIN	PPAR	PMIN	OITH	CANG	UHAR
8	1	25.3	0.0	11.5	2.3	2.3	0.0	0.0
8	2	17.4	0.0	43.5	2.2	2.2	6.5	0.0
8	3	11.5	0.0	34.6	4.6	18.5	9.2	0.0
9	1	17.1	0.0	37.0	6.7	4.8	2.7	0.0
9	3	11.7	0.0	80.9	36.0	23.5	0.0	0.0
9	5	8.2	0.0	37.4	19.3	12.3	4.1	0.0
10	1	2.0	0.0	12.8	8.8	17.5	0.5	0.0
10	3	0.7	0.0	2.6	4.0	1.9	1.6	0.0
10	5	0.0	0.1	1.3	3.6	0.4	1.0	0.0
11	1	19.5	0.0	82.9	26.2	3.5	5.3	0.0
11	3	4.8	0.0	30.9	47.4	1.9	1.0	0.0
11	5	2.6	0.0	28.1	13.1	7.5	2.2	0.0
37	1	2.4	0.0	2.4	14.2	0.0	5.3	0.0
37	2	1.6	0.5	0.0	6.8	0.8	12.1	0.0
37	4	0.3	0.0	0.3	0.9	0.0	4.2	0.0
36	4	5.4	0.0	30.8	54.3	25.3	0.0	0.0
4	1	14.0	0.0	14.0	0.0	0.0	0.0	0.0
4	3	4.4	0.0	17.6	4.4	61.6	17.6	0.0
3	1	17.0	0.0	67.9	11.3	28.3	2.8	0.0
3	2	11.8	0.0	32.7	42.3	10.7	0.3	0.0
3	3	4.3	0.0	3.5	58.0	6.9	2.6	0.0
3	4	2.0	0.0	7.6	29.0	9.2	1.0	0.0
3	5	4.7	0.0	0.5	13.0	3.0	0.1	0.0
5	1	10.0	0.0	7.2	0.6	1.6	1.3	0.0
5	2	14.7	0.0	40.8	9.4	29.2	0.1	0.0
5	3	7.0	0.0	9.3	10.3	1.2	1.0	0.0
5	8	5.7	0.0	65.5	37.8	173.3	3.8	1.0
1	1	2.8	0.0	57.3	0.0	55.0	35.8	0.0
1	2	3.0	0.0	25.9	4.0	0.0	0.0	0.0
1	3	22.7	0.0	27.0	9.6	25.0	6.5	0.0
1	4	7.7	0.0	31.4	14.8	54.1	7.7	0.0
1	5	7.6	0.0	52.1	8.7	45.4	6.5	0.0
25	4	2.2	0.0	25.9	16.0	73.9	16.5	0.0
2	1	7.2	0.0	36.2	7.2	0.0	29.0	0.0
2	2	0.0	0.0	47.2	5.9	11.8	64.9	0.0
2	3	0.0	0.0	73.2	0.0	10.5	68.0	0.0
2	4	3.9	0.0	30.6	7.1	19.6	74.3	0.0
2	5	4.4	0.0	44.0	0.0	8.8	66.0	0.0
6	1	0.0	0.0	13.2	6.6	0.0	26.3	0.0
6	2	15.1	0.0	15.1	0.0	0.0	18.1	0.0
6	3	8.5	0.0	28.3	19.8	2.8	28.3	0.0
6	4	6.6	0.0	9.2	5.3	1.3	15.8	0.0
6	5	10.0	0.0	28.0	23.1	0.0	17.4	0.0

Table 87. Organisms•m^{-3} in September 2002 plankton samples.

TRAN	STN	VOL[1]	COEL	SIPH	CTEN	POLY	GAST	PTER	PELE	CLAD
8	1	8.5	0.2	58.8	0.1	7.6	0.1	0.1	0.0	0.0
8	2	7.2	1.1	164.6	1.9	20.0	133.5	0.0	0.0	0.0
8	3	7.5	2.1	323.6	32.0	9.1	162.3	0.0	4.3	0.0
9	1	13.5	0.2	0.1	0.1	2.5	7.1	0.0	0.0	0.0
9	2	13.8	0.3	11.3	0.1	0.1	7.0	0.0	0.0	0.0
9	3	12.9	2.7	8.3	0.1	0.0	0.0	0.0	0.0	0.0
9	4	13.9	0.4	8.7	0.2	0.0	4.6	0.0	0.0	0.0
9	5	13.9	0.1	0.6	0.0	0.0	0.0	0.0	0.0	0.0
10	1	16.2	0.1	1.6	0.0	0.6	1.7	0.0	0.0	0.5
10	2	17.5	0.0	0.1	0.0	1.0	0.9	0.0	0.0	0.0
10	3	18.3	0.0	0.1	0.0	0.0	7.0	0.0	0.0	0.0
10	4	17.8	0.0	0.6	0.0	7.3	0.0	0.0	0.0	0.0
10	5	18.2	0.0	0.0	0.1	7.0	21.1	0.0	7.0	0.0
11	1	16.2	0.0	1.5	0.2	1.5	3.0	0.0	0.0	0.0
11	2	15.9	0.0	3.1	0.1	0.0	1.0	0.0	0.0	0.0
11	3	15.1	0.0	9.1	0.1	0.0	1.1	0.1	0.0	0.0
11	4	16.5	0.1	1.2	0.1	0.0	1.0	0.0	0.0	0.0
11	5	15.9	0.1	0.3	0.0	0.0	4.0	0.0	0.0	0.0
4	1	13.0	2.5	3.8	4.4	4.9	34.4	0.0	0.0	76.1
4	2	14.9	12.9	80.5	0.9	38.7	60.2	0.0	0.0	275.1
4	3	13.0	0.0	80.3	1.1	29.5	78.7	0.0	0.0	275.6
4	4	15.9	8.0	26.8	0.5	48.2	96.3	0.0	0.0	176.6
3	1	14.8	0.1	15.6	0.2	0.0	30.3	0.0	0.0	0.0
3	2	18.4	0.1	8.5	0.4	1.7	31.3	0.0	0.0	0.0
3	3	18.2	0.1	6.1	0.1	0.0	8.8	0.0	0.0	0.0
3	4	18.6	0.2	14.7	0.0	0.0	5.2	0.0	0.0	0.0
3	5	18.4	0.2	9.0	0.0	0.0	21.7	0.0	0.0	0.0
5	1	14.1	0.2	1.1	0.0	2.3	14.8	0.0	0.0	8.0
5	2	17.4	0.0	0.1	0.0	0.0	7.4	0.0	0.0	0.0
5	3	18.4	0.0	0.1	0.2	0.1	13.9	0.0	0.0	0.0
5	4	18.1	0.0	1.8	0.0	0.0	5.3	0.0	0.0	0.0
5	5	16.7	1.0	1.0	1.0	5.8	8.6	0.0	0.0	0.0
1	1	14.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.1
1	2	16.0	0.1	0.1	0.0	3.4	0.8	0.0	0.0	0.0
1	3	16.7	1.8	0.7	0.0	0.1	4.4	0.0	0.0	0.0
1	4	16.3	0.4	0.2	0.2	0.3	4.9	0.0	0.0	0.0
1	5	18.4	1.1	2.4	0.4	20.5	6.5	0.4	0.0	0.0
2	1	9.2	0.0	349.0	15.2	27.8	13.9	0.0	0.0	0.0
2	2	9.4	23.9	205.0	47.8	20.5	27.3	0.0	0.0	0.0
2	3	10.3	22.1	163.9	35.0	7.8	15.5	0.0	0.0	0.0
2	4	9.7	17.2	225.0	19.3	7.0	52.5	0.0	0.0	0.0
2	5	12.0	9.7	112.4	11.0	14.7	5.4	0.0	0.0	0.0
6	1	10.4	25.1	51.5	6.7	55.1	18.4	0.0	0.0	0.0
6	2	13.0	11.2	10.6	1.2	4.9	14.7	0.0	0.0	2.5
6	3	14.4	3.7	20.4	1.0	0.1	24.4	0.0	0.0	0.0
6	4	15.1	8.7	6.4	1.7	3.2	8.5	0.0	0.0	0.0
6	5	16.1	16.4	14.7	1.7	6.2	23.9	0.0	0.0	0.0

VOL=m^3 of water filtered through plankton net.

Table 87 cont'd

TRAN	STN	OSTR	COPE[2]	SHRI	CRAZ	CRAM	BARN	SQUI	ISOP	AMPH
8	1	0.0	1074.2	8.4	0.1	0.0	142.6	0.0	0.0	0.0
8	2	0.0	411.6	17.0	4.2	0.8	0.0	0.0	0.0	9.2
8	3	0.0	375.5	14.1	4.3	0.0	12.8	0.0	0.0	4.3
9	1	0.0	259.7	2.5	0.4	0.0	0.0	0.0	0.0	7.1
9	2	0.0	300.8	5.7	0.3	0.2	4.6	0.0	0.0	18.5
9	3	0.0	256.4	1.2	3.0	0.3	0.0	0.0	0.0	7.8
9	4	0.0	225.5	6.2	2.7	0.0	2.3	0.0	0.0	6.2
9	5	0.0	354.2	1.3	2.7	0.1	0.0	0.0	0.0	5.1
10	1	0.0	77.4	0.4	0.0	0.0	0.0	0.0	0.1	1.5
10	2	0.0	172.5	1.0	0.0	0.0	0.0	0.0	0.0	8.4
10	3	0.0	1544.6	0.2	0.0	0.0	7.0	0.0	0.0	42.2
10	4	0.0	1585.6	0.2	0.0	0.0	0.0	0.0	0.0	7.3
10	5	0.0	1123.1	0.0	0.0	0.0	0.0	0.0	0.0	35.1
11	1	0.0	113.7	0.6	0.0	0.0	0.5	0.0	1.5	0.3
11	2	0.0	132.7	0.1	0.0	0.0	1.0	0.0	0.0	4.0
11	3	0.0	213.7	1.1	0.0	0.0	0.0	0.0	0.0	0.1
11	4	0.0	326.4	0.0	0.0	0.0	0.0	0.0	0.0	5.0
11	5	0.0	607.3	0.2	0.0	0.0	0.0	0.0	0.0	4.4
4	1	0.0	307.5	6.1	0.2	0.1	142.5	0.0	0.0	9.8
4	2	0.0	585.7	20.9	10.4	0.5	391.5	0.0	0.0	13.0
4	3	0.0	734.9	15.4	1.7	0.6	1388.0	0.0	0.0	19.8
4	4	0.0	1074.4	40.1	45.4	1.5	762.4	0.0	0.3	24.8
3	1	0.0	977.5	4.7	0.1	0.1	4.3	0.0	0.0	17.3
3	2	0.0	501.2	0.4	0.0	0.1	1.7	0.0	0.0	20.9
3	3	0.0	432.1	0.1	0.0	0.1	0.0	0.0	0.0	8.9
3	4	0.0	433.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3
3	5	0.0	375.6	0.0	0.0	0.0	0.9	0.0	0.0	7.2
5	1	0.0	190.6	42.8	0.1	0.0	17.0	0.0	0.0	3.5
5	2	0.0	1141.1	0.1	0.0	0.0	0.0	0.0	0.0	14.7
5	3	0.0	924.0	0.1	0.1	0.0	3.5	0.0	0.0	18.6
5	4	0.0	387.2	0.0	0.0	0.0	1.8	0.0	0.0	14.2
5	5	100.8	806.0	0.0	0.0	1.0	0.0	0.0	0.0	33.6
1	1	0.0	20.3	2.1	0.1	0.0	7.5	0.0	0.0	0.3
1	2	0.0	14.3	0.4	0.0	0.0	3.3	0.0	0.0	0.9
1	3	0.0	37.7	0.1	0.1	0.0	2.5	0.0	0.0	3.5
1	4	0.0	57.0	0.1	0.0	0.0	0.1	0.1	0.0	3.2
1	5	3.7	118.0	0.0	0.9	0.0	1.7	0.0	0.0	7.8
2	1	0.0	441.2	26.1	0.4	0.4	181.0	0.0	0.0	0.0
2	2	0.0	1247.2	17.1	10.3	3.4	129.8	0.0	0.0	0.0
2	3	0.0	304.5	12.4	6.2	0.8	83.9	0.0	2.3	4.3
2	4	0.4	876.9	8.6	2.1	0.0	46.4	0.0	0.0	7.0
2	5	0.0	343.3	6.4	8.4	1.0	42.8	0.0	0.0	8.4
6	1	0.0	56.3	15.5	11.1	0.6	1000.8	0.0	0.0	18.8
6	2	0.0	45.2	12.7	2.2	0.7	385.9	0.0	0.0	22.4
6	3	0.0	104.7	11.1	4.7	0.6	248.9	0.0	2.2	21.0
6	4	0.0	35.1	1.9	7.8	0.2	1.1	0.0	0.0	26.0
6	5	0.0	71.7	12.7	6.7	1.0	216.3	0.0	0.0	20.9

[2]Copepods listed by species in Table 86

Table 87 cont'd

TRAN	STN	EUPL	EUPA	INSE	ECTO	ECHI	CHAE	LARV	TELA	EGGS
8	1	7.7	0.0	0.0	0.0	0.0	0.0	872.1	0.1	0.0
8	2	0.0	0.0	0.0	0.0	0.0	0.0	1561.1	0.0	0.0
8	3	0.0	0.0	0.0	25.6	0.0	0.0	1546.9	0.0	0.0
9	1	0.0	0.0	0.0	0.0	0.0	0.0	274.2	0.0	0.0
9	2	2.3	0.0	0.0	0.0	0.0	0.0	201.6	0.0	2.3
9	3	0.0	0.0	0.0	0.0	0.0	0.0	211.7	0.0	0.0
9	4	0.0	0.0	0.0	0.0	2.3	0.0	188.9	0.1	0.0
9	5	0.0	0.1	0.0	0.0	0.0	0.1	154.9	0.0	0.0
10	1	0.0	0.0	0.0	0.0	0.0	0.6	6.4	0.0	0.0
10	2	0.0	0.6	0.0	0.0	0.0	4.8	10.1	0.0	0.0
10	3	0.0	0.7	0.0	0.0	0.0	2.7	0.0	0.0	0.0
10	4	0.0	0.2	0.0	0.0	0.0	2.3	0.0	0.0	0.0
10	5	0.0	0.0	0.1	0.1	0.0	0.0	7.0	0.0	0.0
11	1	0.0	0.1	0.0	0.5	3.5	0.0	25.7	0.0	0.0
11	2	0.0	0.0	0.0	0.0	0.0	0.1	57.3	0.0	0.0
11	3	0.0	0.0	0.1	0.0	0.0	0.0	24.3	0.0	0.0
11	4	1.0	0.0	0.0	0.0	0.0	0.2	3.9	0.0	0.0
11	5	0.0	0.0	0.0	0.0	0.0	0.1	16.1	0.0	0.0
4	1	2.5	0.1	0.0	0.0	0.0	0.1	162.1	0.0	0.0
4	2	0.0	0.0	0.0	13.0	0.4	0.0	249.5	0.0	0.0
4	3	0.0	0.2	0.0	69.0	1.5	0.2	580.6	0.0	0.0
4	4	8.0	1.0	0.0	0.0	0.0	0.3	345.1	0.0	0.0
3	1	0.0	0.1	0.0	0.0	0.0	0.1	60.4	0.0	0.0
3	2	1.7	0.0	0.0	0.0	0.0	0.2	20.9	0.0	0.0
3	3	0.0	0.0	0.0	1.8	0.0	0.2	15.8	0.0	0.0
3	4	0.0	0.1	0.0	3.4	0.0	0.0	12.1	0.0	0.0
3	5	0.0	0.6	0.1	0.0	0.0	0.2	18.3	0.0	0.0
5	1	0.0	0.0	1.1	0.0	0.0	0.0	15.9	0.0	0.0
5	2	0.0	0.0	0.0	0.0	0.0	0.0	36.8	0.0	0.0
5	3	0.0	0.3	0.0	0.0	0.0	0.2	45.2	0.0	0.0
5	4	0.0	30.6	0.0	0.0	0.0	11.5	14.2	0.0	1.8
5	5	0.0	65.3	0.0	0.0	0.0	66.2	3.8	0.0	0.0
1	1	0.3	0.0	0.0	0.0	0.0	0.0	6.8	0.0	0.1
1	2	0.0	0.1	0.1	0.3	0.0	0.0	17.6	0.0	0.1
1	3	0.0	0.0	0.1	0.4	0.0	0.2	24.1	0.0	0.1
1	4	0.0	0.2	0.0	0.0	0.0	0.0	20.1	0.0	0.0
1	5	0.0	14.8	0.0	0.0	0.0	2.8	29.8	0.0	0.0
2	1	62.7	0.0	0.0	0.0	0.0	0.0	564.4	0.0	306.3
2	2	34.2	47.8	0.0	0.0	0.0	0.0	970.4	0.0	198.2
2	3	37.3	1.9	0.0	3.1	6.2	0.0	769.1	0.0	140.2
2	4	26.3	0.0	0.0	0.0	0.0	0.0	777.9	0.0	0.0
2	5	2.7	0.0	0.0	0.0	2.7	0.0	408.3	0.0	5.4
6	1	0.0	0.0	0.0	0.0	0.0	0.0	455.7	0.0	0.0
6	2	2.5	0.0	0.0	0.0	2.5	0.0	317.7	0.0	0.2
6	3	0.0	0.0	0.0	2.2	0.0	0.0	122.3	0.0	4.4
6	4	0.0	0.0	0.0	0.0	0.0	0.0	40.2	0.0	0.0
6	5	2.0	0.0	0.0	0.0	0.0	0.0	42.3	0.0	0.0

Table 88. Copepods•m^{-3} in September 2002 plankton samples.

TRAN	STN	CNAU	UCAL	EBUN	EELO	CALA	CMAR	CPAC	CCOL	ELON
8	1	0.0	217.8	7.6	0.0	0.0	0.0	0.1	0.0	7.5
8	2	8.9	62.3	0.6	0.0	0.3	0.0	1.4	0.0	0.0
8	3	0.0	4.3	4.3	0.0	0.1	0.0	0.0	0.0	0.0
9	1	0.0	28.5	0.0	0.0	0.1	0.0	0.1	0.0	2.5
9	2	0.0	43.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0
9	3	0.0	44.7	0.0	0.0	0.0	0.0	0.0	0.0	0.1
9	4	0.0	29.9	0.0	0.0	0.0	0.0	0.0	0.0	0.1
9	5	0.0	34.5	0.0	0.0	0.1	0.0	0.1	0.0	0.0
10	1	0.0	31.2	0.0	0.0	0.7	0.0	0.0	0.0	0.0
10	2	0.0	56.7	0.0	0.0	29.0	0.2	0.6	0.0	0.0
10	3	7.0	244.5	0.1	0.0	0.7	0.0	0.3	0.0	0.1
10	4	7.2	101.0	0.1	0.0	0.6	0.0	0.1	0.0	0.0
10	5	98.3	666.8	0.0	0.0	7.0	0.0	0.0	0.0	0.0
11	1	0.5	12.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	2	0.0	26.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	3	0.0	27.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	4	3.9	33.0	0.0	0.0	4.3	0.2	0.4	0.0	0.0
11	5	0.0	116.7	0.0	0.0	16.2	0.0	0.0	0.0	0.0
4	1	0.0	31.9	0.0	0.0	2.5	0.0	0.1	0.1	0.0
4	2	4.3	77.5	0.0	0.0	8.6	0.0	0.1	0.0	0.1
4	3	0.0	275.7	0.0	0.0	13.2	0.0	2.8	0.0	0.2
4	4	0.0	257.3	0.0	0.0	79.3	0.5	6.3	0.0	0.3
3	1	0.0	228.9	0.0	0.0	20.4	0.1	0.6	0.0	0.0
3	2	0.0	83.6	0.2	0.0	26.0	0.0	0.2	0.0	0.0
3	3	0.0	49.4	0.1	0.0	12.8	0.0	0.0	0.0	0.0
3	4	0.0	27.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	5	0.9	21.0	0.2	0.0	2.0	0.0	0.8	0.0	0.0
5	1	0.0	19.4	0.0	0.1	2.3	0.0	0.0	0.0	1.3
5	2	0.0	279.8	0.0	0.0	0.1	0.0	0.0	0.0	0.1
5	3	0.0	112.5	0.1	0.0	9.2	0.1	0.1	0.0	0.0
5	4	0.0	31.9	0.0	0.0	2.2	0.0	0.4	0.0	0.0
5	5	0.0	30.7	0.0	0.0	11.5	0.0	5.8	1.9	1.9
1	1	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	2	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.1
1	3	0.0	7.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	4	0.0	11.9	0.0	0.0	1.2	0.2	0.2	0.0	0.0
1	5	0.0	29.6	0.0	0.0	5.7	0.0	4.4	0.0	0.9
2	1	0.0	201.9	0.0	0.0	81.4	0.0	11.3	0.0	0.0
2	2	0.0	280.2	0.0	0.0	580.9	0.0	249.4	0.0	0.0
2	3	0.0	174.0	0.0	0.0	29.5	0.0	7.4	0.0	0.0
2	4	0.0	374.4	0.0	0.0	325.5	0.0	97.7	0.0	0.0
2	5	0.0	198.1	0.0	0.0	51.5	0.0	10.7	0.0	0.0
6	1	0.0	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.6
6	2	0.0	24.6	0.0	0.0	0.4	0.0	0.1	0.0	0.1
6	3	0.0	44.5	0.0	0.0	2.3	0.0	0.0	0.0	0.1
6	4	0.0	9.5	0.0	0.0	0.0	0.0	0.0	0.0	0.1
6	5	0.0	27.9	0.0	0.0	0.5	0.0	0.2	0.0	0.0

Table 88 cont'd

TRAN	STN	MPAC	CABD	TDIS	ALON	ACLA	SMIN	PPAR	PMIN	MPYG
8	1	0.4	0.0	0.0	135.1	0.0	15.0	157.7	510.5	0.0
8	2	0.0	0.0	0.0	62.3	0.0	0.0	48.9	93.4	0.0
8	3	0.0	0.0	0.0	85.3	0.0	0.0	138.6	100.2	0.0
9	1	0.0	0.0	2.5	35.8	0.0	0.0	57.1	33.3	0.0
9	2	0.0	0.0	6.9	27.8	6.9	0.0	41.6	46.2	0.0
9	3	2.5	2.5	15.1	5.0	0.0	0.0	46.0	31.1	0.0
9	4	0.0	0.0	7.2	32.2	0.0	0.0	47.0	74.6	0.0
9	5	0.0	0.0	0.1	13.8	0.0	0.0	27.6	119.5	0.0
10	1	5.7	0.0	0.2	3.0	0.0	0.2	8.8	14.0	0.0
10	2	8.3	0.0	0.0	3.7	0.0	0.0	10.1	45.7	0.0
10	3	7.0	0.0	0.0	21.0	0.0	0.0	66.3	185.1	0.0
10	4	0.0	0.0	0.0	14.4	0.0	0.0	75.6	54.0	0.0
10	5	0.0	0.0	0.0	21.1	0.0	0.0	112.3	56.2	0.0
11	1	0.0	0.0	0.0	3.0	0.0	0.0	8.4	4.9	0.0
11	2	0.0	0.0	0.0	18.1	0.0	0.0	16.1	19.1	0.0
11	3	3.2	0.0	0.0	3.2	0.0	0.0	8.5	19.0	0.0
11	4	18.1	0.0	0.0	1.9	0.0	1.0	12.6	33.0	0.0
11	5	0.0	0.0	0.0	12.1	0.0	0.0	44.2	100.5	0.0
4	1	0.2	0.0	49.3	19.6	0.0	0.0	51.6	9.8	0.0
4	2	4.3	0.0	77.9	21.6	0.0	0.0	124.7	64.5	0.0
4	3	29.5	0.0	29.7	29.5	0.0	0.0	78.7	0.0	0.0
4	4	0.0	0.0	345.6	16.1	0.0	0.0	124.4	92.3	0.0
3	1	39.9	0.0	21.8	17.3	0.0	0.0	64.7	307.7	0.0
3	2	19.4	0.0	1.8	6.9	0.0	1.7	17.4	165.0	0.0
3	3	37.3	1.8	0.0	7.0	0.0	0.0	8.8	75.7	0.0
3	4	7.0	1.7	0.0	10.3	0.0	0.0	7.8	54.3	0.0
3	5	16.7	0.0	0.9	5.2	0.0	1.7	12.6	35.2	0.0
5	1	3.6	1.1	0.0	50.0	0.0	0.0	44.3	16.1	0.0
5	2	14.8	0.0	0.0	29.4	0.0	0.0	92.0	246.5	0.0
5	3	3.6	0.0	0.1	20.8	0.0	0.0	69.4	187.5	0.0
5	4	0.0	0.0	0.0	8.9	0.0	0.0	6.2	20.4	0.0
5	5	123.8	0.0	0.0	3.8	0.0	0.0	0.0	0.0	0.0
1	1	0.0	0.0	0.4	0.6	0.0	0.0	1.4	0.1	1.1
1	2	0.0	0.0	0.1	2.3	0.0	0.0	4.5	0.8	0.0
1	3	0.0	0.0	0.2	2.8	0.0	0.0	8.3	11.6	0.0
1	4	0.5	0.0	0.0	4.4	0.0	0.5	10.8	18.6	0.0
1	5	24.4	0.0	0.0	10.5	0.0	0.0	10.5	23.5	1.7
2	1	0.0	7.0	0.0	0.0	0.0	0.0	20.9	7.0	0.0
2	2	0.0	0.0	0.0	6.8	0.0	0.0	30.8	17.1	0.0
2	3	0.0	0.0	0.0	0.0	0.0	0.0	36.1	4.7	0.0
2	4	6.6	0.0	0.0	0.0	0.0	0.0	9.9	3.3	0.0
2	5	0.0	0.0	0.0	0.0	0.0	0.0	2.7	5.4	0.0
6	1	0.0	6.1	0.2	12.3	0.0	0.0	12.3	0.0	0.0
6	2	0.0	0.0	0.4	2.5	0.0	0.0	4.9	2.5	0.0
6	3	0.0	2.2	2.3	6.7	0.0	0.0	6.7	4.4	0.0
6	4	0.0	0.0	7.5	1.1	0.0	0.0	3.2	4.2	0.0
6	5	0.0	6.2	6.5	2.2	0.0	0.0	0.0	2.0	0.0

Table 88 cont'd

TRAN	STN	OBOR	UCYC	OITH	CANG	UHAR	UMON	UPAR
8	1	0.0	0.0	22.5	0.0	0.0	0.0	0.0
8	2	0.0	0.0	97.9	17.8	17.8	0.0	0.0
8	3	0.0	0.0	38.4	4.3	0.0	0.0	0.0
9	1	0.0	0.0	97.5	0.0	2.4	0.0	0.0
9	2	0.0	0.0	125.0	20.3	0.0	0.0	0.0
9	3	0.0	0.0	106.9	2.5	0.0	0.0	0.1
9	4	0.0	0.0	32.1	2.3	0.0	0.0	0.0
9	5	0.0	0.0	158.6	0.0	0.0	0.0	0.0
10	1	0.0	0.0	12.9	0.5	0.2	0.0	0.0
10	2	0.0	0.0	17.4	0.9	0.0	0.0	0.0
10	3	0.0	0.0	1005.7	7.0	0.0	0.0	0.0
10	4	0.0	0.0	1332.6	0.0	0.0	0.0	0.0
10	5	0.0	0.0	161.4	0.0	0.0	0.0	0.0
11	1	0.0	1.0	76.1	5.5	0.5	1.0	0.0
11	2	0.0	0.0	48.3	5.0	0.0	0.0	0.0
11	3	0.0	0.1	143.8	8.5	0.0	0.0	0.0
11	4	0.0	0.0	206.3	11.7	0.0	0.0	0.0
11	5	0.0	0.0	297.5	20.1	0.0	0.0	0.0
4	1	0.0	0.0	130.1	12.3	0.0	0.0	0.0
4	2	0.0	0.0	172.0	30.2	0.0	0.0	0.0
4	3	0.0	0.0	216.5	59.0	0.0	0.0	0.0
4	4	0.0	0.0	120.4	32.1	0.0	0.0	0.0
3	1	0.0	0.0	271.9	4.3	0.0	0.0	0.0
3	2	0.0	0.0	170.2	8.7	0.0	0.0	0.0
3	3	0.0	0.0	225.2	14.1	0.0	0.0	0.0
3	4	0.0	0.0	320.8	3.4	0.0	0.0	0.0
3	5	0.0	0.0	274.1	4.3	0.0	0.0	0.0
5	1	0.0	0.0	51.3	1.1	0.0	0.0	0.0
5	2	0.0	66.2	397.4	14.7	0.0	0.0	0.0
5	3	0.0	97.2	416.5	6.9	0.0	0.0	0.0
5	4	0.0	0.0	311.9	5.3	0.0	0.0	0.0
5	5	0.0	30.7	595.9	0.0	0.0	0.0	0.0
1	1	0.6	0.0	12.4	1.7	0.3	0.0	0.0
1	2	0.0	0.0	2.8	1.6	0.4	0.1	0.0
1	3	0.0	0.0	6.1	1.4	0.0	0.1	0.0
1	4	0.0	0.0	6.9	2.0	0.0	0.0	0.0
1	5	0.0	0.0	7.0	0.0	0.0	0.0	0.0
2	1	0.0	0.0	27.8	84.0	0.0	0.0	0.0
2	2	0.0	0.0	27.3	54.7	0.0	0.0	0.0
2	3	0.0	0.0	24.9	28.0	0.0	0.0	0.0
2	4	0.0	0.0	32.8	26.7	0.0	0.0	0.0
2	5	0.0	0.0	29.4	45.5	0.0	0.0	0.0
6	1	0.0	0.0	0.0	18.8	0.0	0.0	0.0
6	2	0.0	0.0	2.5	7.4	0.0	0.0	0.0
6	3	0.0	0.0	11.1	24.4	0.0	0.0	0.0
6	4	0.0	0.0	1.1	8.5	0.0	0.0	0.0
6	5	0.0	0.0	6.0	20.2	0.0	0.0	0.0

Table 89. Fullness and state of digestion of contents of year 1996 herring stomachs.

SEASON	AGE	FULLNESS	1-FRESH	2-PARTLY	3-MOSTLY	4-COMPLETE	ALL
June	HER0	0-empty	-	-	-	5	5
		1-trace	1	1	15	0	17
		2-half	0	5	6	0	11
		3-full	0	2	0	0	2
		Total	1	8	21	5	35
June	HER1	0-empty	-	-	-	7	7
		1-trace	1	4	14	0	18
		2-half	1	11	1	0	13
		3-full	6	4	0	0	10
		Total	8	19	15	7	49
June	HER2	0-empty	-	-	-	0	0
		1-trace	0	0	0	0	0
		2-half	0	2	0	0	2
		3-full	1	3	0	0	4
		Total	1	5	0	0	6
Sept-Oct	HER0	0-empty	-	-	-	0	0
		1-trace	0	6	8	0	14
		2-half	0	9	11	0	20
		3-full	0	1	0	0	1
		Total	0	16	19	0	35
Sept-Oct	HER1	0-empty	-	-	-	2	2
		1-trace	0	4	8	0	12
		2-half	0	2	0	0	2
		3-full	4	6	1	0	11
		Total	4	12	9	2	27

Table 90. Organisms in 0+ herring stomachs in June 1996.

TRAN	FISH#	FULL	STATE	TURB	PELE	CLAD	COPE[1]	BARN	AMPH	EUPL	ECTO
8	1	3	2	0	0	0	86	0	0	0	6
9	1	2	2	2	19	5	329	0	0	0	8
9	2	3	2	0	112	0	408	0	0	2	18
4	1	2	2	1	0	1	7	138	0	2	0
4	2	2	3	0	0	0	2	3	0	1	0
4	3	2	3	0	0	0	3	14	0	0	0
4	4	2	3	0	0	3	4	29	0	0	1
4	5	2	3	0	0	7	1	71	0	3	2
5	1	2	2	0	0	0	5	0	1	67	0
5	2	2	2	0	0	0	91	0	2	54	0
5	3	2	2	0	0	0	12	0	1	26	0
5	4	2	3	0	0	0	2	0	2	22	0
5	5	2	3	0	0	0	26	0	5	20	0

[1]Copepods listed by species in Table 91

Table 91. Copepods in 0+ herring stomachs in June 1996.

TRAN	FISH#	UCAL	TDIS	ALON	PMIN	UCYC	OITH
8	1	86	0	0	0	0	0
9	1	328	0	0	0	1	0
9	2	404	0	2	0	2	0
4	1	7	0	0	0	0	0
4	2	2	0	0	0	0	0
4	3	1	0	0	0	1	0
4	4	1	0	0	0	3	0
4	5	0	1	0	0	0	0
5	1	4	0	0	1	0	0
5	2	82	0	0	9	0	0
5	3	11	0	0	1	0	0
5	4	2	0	0	0	0	0
5	5	26	0	0	0	0	0

Table 92. Organisms in 1+ herring stomachs in June 1996.

TRAN	FISH#	FULL	STATE	TURB	POLY	CLAD	COPE[1]	SHRI	CRAZ	BARN	AMPH
9	1	3	2	13	0	0	0	0	0	0	1
10	1	3	2	0	0	0	112	0	2	0	26
11	1	2	2	0	0	0	20	1	0	1	8
11	2	2	2	0	0	0	90	0	0	0	10
4	1	2	2	0	1	17	9	0	11	93	1
4	2	2	2	0	67	22	50	0	22	134	0
4	3	2	2	0	8	136	16	0	12	140	4
4	4	2	2	0	48	84	16	0	16	176	4
4	5	2	2	0	24	56	4	0	16	66	8
3	1	2	1	0	0	0	0	0	0	0	3
3	2	2	2	0	0	0	1	0	0	1	2
3	3	3	1	0	0	0	3	0	1	3	0
3	4	3	2	0	0	0	5	0	0	0	0
3	5	3	2	0	0	0	4	0	0	1	27
5	1	3	1	0	0	0	64	0	0	8	16
5	2	3	1	0	0	0	384	8	0	0	40
5	3	3	1	0	0	0	80	0	8	16	72
5	4	3	1	0	0	0	24	0	0	56	16
5	5	3	1	0	0	0	0	0	0	0	19
1	1	2	2	0	0	0	1	0	0	0	4
1	2	2	2	0	0	0	1	0	0	0	0
1	3	2	2	0	0	0	12	0	0	0	39
2	1	2	3	0	0	0	1	0	0	9	1

[1]Copepods listed by species in Table 93

Table 92 cont'd

TRAN	FISH#	EUPL	EUPA	LARV	EGGS
9	1	0	11	0	0
10	1	44	4	0	0
11	1	6	0	0	0
11	2	4	0	0	0
4	1	0	0	0	0
4	2	6	0	2	0
4	3	0	0	0	0
4	4	0	0	4	0
4	5	8	0	0	0
3	1	0	9	0	0
3	2	0	2	0	0
3	3	1	26	0	0
3	4	0	9	0	0
3	5	1	9	0	0
5	1	8	14	0	2592
5	2	152	10	0	16
5	3	48	16	0	792
5	4	16	14	0	640
5	5	0	26	0	0
1	1	0	2	0	0
1	2	1	1	0	0
1	3	0	0	0	0
2	1	0	0	0	0

Table 93. Copepods in 1+ herring stomachs in June 1996.

TRAN	FISH#	UCAL	CPAC	MPAC	CABD	ALON	PMIN	OITH
9	1	0	0	0	0	0	0	0
10	1	112	0	0	0	0	0	0
11	1	16	1	2	0	0	1	0
11	2	78	0	12	0	0	0	0
4	1	6	0	0	2	0	1	0
4	2	50	0	0	0	0	0	0
4	3	16	0	0	0	0	0	0
4	4	12	0	0	0	0	0	4
4	5	4	0	0	0	0	0	0
3	1	0	0	0	0	0	0	0
3	2	1	0	0	0	0	0	0
3	3	3	0	0	0	0	0	0
3	4	4	0	0	0	1	0	0
3	5	4	0	0	0	0	0	0
5	1	64	0	0	0	0	0	0
5	2	368	16	0	0	0	0	0
5	3	72	0	0	0	0	0	8
5	4	24	0	0	0	0	0	0
5	5	0	0	0	0	0	0	0
1	1	1	0	0	0	0	0	0
1	2	1	0	0	0	0	0	0
1	3	12	0	0	0	0	0	0
2	1	1	0	0	0	0	0	0

Table 94. Organisms in 2+ herring stomachs in June 1996.

TRAN	FISH#	FULL	STATE	TURB	COPE[1]	AMPH	EUPL	EUPA	EGGS
9	1	2	2	0	2	0	1	6	0
3	1	2	2	0	9	4	1	9	0
3	2	3	1	1	9	1	3	28	2
3	3	3	2	0	25	5	5	36	0
3	4	3	2	0	11	7	0	32	0
3	5	3	2	0	38	0	0	36	0

[1]Copepods listed by species in Table 95

Table 95. Copepods in 2+ herring stomachs in June 1996.

TRAN	FISH#	UCAL	MPAC	CABD	ALON	PMIN
9	1	1	0	0	0	1
3	1	4	5	0	0	0
3	2	4	5	0	0	0
3	3	11	8	1	0	5
3	4	7	4	0	0	0
3	5	14	21	0	3	0

Table 96. Fullness and state of digestion of contents of year 2000 herring stomachs.

SEASON	AGE	FULLNESS	1-FRESH	2-PARTLY	3-MOSTLY	4-COMPLETE	ALL
June	HER0	0-empty	-	-	-	5	5
		1-trace	0	3	8	0	11
		2-half	0	10	4	0	14
		3-full	0	14	2	0	16
		Total	0	27	14	5	46
June	HER1	0-empty	-	-	-	30	30
		1-trace	0	2	6	0	8
		2-half	0	4	4	1	9
		3-full	3	9	0	0	12
		Total	3	15	10	31	59
Sept-Oct	HER0	0-empty	-	-	-	14	14
		1-trace	1	6	5	2	14
		2-half	0	20	1	1	22
		3-full	0	23	0	0	23
		Total	1	49	6	17	73
Sept-Oct	HER1	0-empty	-	-	-	12	12
		1-trace	0	3	5	0	8
		2-half	0	9	0	0	9
		3-full	0	8	0	0	8
		Total	0	20	5	12	37
Sept-Oct	HER2	0-empty	-	-	-	4	4
		1-trace	0	3	0	0	3
		2-half	0	4	0	0	4
		3-full	0	1	0	0	1
		Total	0	8	0	4	12

Table 97. Organisms in 0+ herring stomachs in June 2000.

TRAN	FISH#	FULL	STATE	PELE	CLAD	OSTR	COPE[1]	SHRI	CRAZ	BARN	AMPH
8	1	2	2	0	0	0	187	0	0	0	2
8	2	3	2	0	0	0	88	1	0	0	2
8	3	3	2	0	0	0	47	19	0	1	21
8	4	3	2	0	0	0	30	4	0	0	33
8	5	3	2	0	0	0	76	3	1	0	0
8	6	3	2	0	0	0	114	1	0	0	0
8	7	3	2	0	0	0	147	5	0	0	2
8	8	3	2	0	0	0	270	16	0	0	18
9	1	2	2	0	0	0	6	0	0	0	0
9	2	2	2	0	0	0	15	0	1	0	0
9	3	2	3	0	0	0	8	0	0	0	0
3	1	2	2	5	0	0	13	0	0	1	17
3	2	2	3	0	0	0	62	0	0	0	0
3	3	2	3	0	0	0	41	0	0	0	0
5	1	3	2	0	0	4	468	0	0	0	16
5	2	3	2	0	0	0	896	0	0	12	0
5	3	3	3	0	0	0	201	0	0	0	5
5	4	3	3	4	0	0	316	0	0	0	8
1	1	3	2	0	0	0	464	0	0	4	0
1	2	3	2	0	0	0	352	0	0	0	0
1	3	3	2	4	4	0	808	0	0	0	0
1	4	3	2	0	8	0	1040	0	0	0	0
1	5	3	2	24	8	0	368	0	0	24	0
2	1	2	2	1	1	0	68	0	0	55	0
2	2	2	2	4	2	0	80	0	1	48	0
2	3	2	2	0	2	2	60	0	0	45	1
2	4	2	2	0	0	0	65	0	0	88	0
2	5	2	2	2	0	0	170	0	4	22	0
2	6	2	2	0	0	0	220	0	12	40	0
2	7	2	3	0	0	1	13	0	2	32	0

[1]Copepods listed by species in Table 98

Table 97 cont'd

TRAN	FISH#	EUPL	EUPA	ECTO	LARV	EGGS
8	1	26	0	0	0	0
8	2	8	0	0	0	0
8	3	7	0	0	0	0
8	4	0	0	0	0	0
8	5	5	0	0	0	0
8	6	7	0	0	0	0
8	7	9	0	0	0	1
8	8	15	0	0	0	0
9	1	0	2	0	0	0
9	2	0	0	0	0	0
9	3	0	0	0	0	6
3	1	0	0	0	0	1
3	2	0	0	0	0	0
3	3	0	0	0	0	0
5	1	0	0	0	0	16
5	2	8	0	0	0	20
5	3	1	0	2	0	1
5	4	0	0	0	0	36
1	1	0	0	28	56	4
1	2	4	0	24	208	0
1	3	0	0	8	140	12
1	4	16	0	0	24	8
1	5	0	0	48	48	8
2	1	0	0	0	0	254
2	2	0	0	0	0	10
2	3	5	0	0	0	14
2	4	0	0	0	0	648
2	5	0	0	0	0	16
2	6	4	0	0	34	22
2	7	0	0	0	0	0

Table 98. Copepods in 0+ herring stomachs in June 2000.

TRAN	FISH#	UCAL	EBUN	CMAR	CPAC	MPAC	CABD	TDIS	ALON	SMIN	PPAR
8	1	0	0	0	0	0	131	0	0	0	31
8	2	34	0	0	0	0	43	0	0	0	11
8	3	9	0	0	0	2	34	0	0	0	2
8	4	24	0	0	0	4	2	0	0	0	0
8	5	25	0	0	0	0	14	0	0	0	28
8	6	75	0	0	0	0	30	0	0	0	7
8	7	8	0	0	0	0	61	0	1	0	59
8	8	0	0	0	0	0	144	0	0	0	67
9	1	5	0	0	0	1	0	0	0	0	0
9	2	9	0	0	0	0	2	0	0	0	4
9	3	4	0	0	0	4	0	0	0	0	0
3	1	12	0	0	0	0	0	0	0	0	0
3	2	62	0	0	0	0	0	0	0	0	0
3	3	40	0	0	0	0	0	0	0	0	0
5	1	440	0	0	0	0	24	0	0	0	0
5	2	696	0	0	0	0	28	0	72	0	80
5	3	181	0	0	0	3	1	1	0	0	3
5	4	260	0	0	0	0	16	0	28	0	8
1	1	308	16	0	24	0	4	0	16	4	76
1	2	184	40	0	12	0	12	0	4	8	68
1	3	288	8	41	41	82	24	0	88	8	144
1	4	608	0	0	0	0	24	0	112	8	264
1	5	160	0	0	0	0	24	0	24	0	120
2	1	50	0	0	0	0	0	0	0	0	0
2	2	72	0	0	0	1	2	0	0	0	0
2	3	32	0	0	0	0	0	0	0	0	0
2	4	60	0	0	0	0	0	0	2	0	0
2	5	160	0	0	0	0	6	0	0	0	0
2	6	180	0	0	0	0	16	0	12	0	0
2	7	13	0	0	0	0	0	0	0	0	0

Table 98 cont'd

TRAN	FISH#	PMIN	CANG	UHAR
8	1	17	8	0
8	2	0	0	0
8	3	0	0	0
8	4	0	0	0
8	5	5	3	0
8	6	0	2	0
8	7	15	3	0
8	8	57	2	0
9	1	0	0	0
9	2	0	0	0
9	3	0	0	0
3	1	0	1	0
3	2	0	0	0
3	3	0	1	0
5	1	4	0	0
5	2	20	0	0
5	3	10	1	1
5	4	0	4	0
1	1	4	12	0
1	2	0	24	0
1	3	0	84	0
1	4	0	24	0
1	5	0	40	0
2	1	0	18	0
2	2	0	5	0
2	3	0	28	0
2	4	0	3	0
2	5	0	4	0
2	6	0	12	0
2	7	0	0	0

Table 99. Organisms in 1+ herring stomachs in June 2000.

TRAN	FISH#	FULL	STATE	OSTR	COPE[1]	SHRI	BARN	AMPH	EUPL	EUPA
9	1	3	2	0	0	0	0	0	0	34
9	2	3	2	0	16	0	0	3	0	26
9	3	3	2	0	21	0	0	2	0	40
9	4	3	2	0	1	0	0	0	2	17
11	1	2	3	0	25	0	0	8	0	0
11	2	3	2	0	0	0	0	0	1	38
3	1	2	2	0	1656	0	0	8	0	0
3	2	2	3	0	1248	0	8	8	0	0
3	3	2	3	0	47	3	0	1	0	0
5	1	2	2	0	0	0	0	17	0	11
5	2	2	2	0	0	0	0	165	0	1
5	3	2	2	0	0	0	0	0	0	11
5	4	2	3	0	6	0	0	1	0	0
5	5	3	2	0	0	0	0	46	0	32
5	6	3	2	0	0	0	0	0	0	25
1	1	3	1	1	8	0	0	5	2	25
1	2	3	1	0	0	0	0	1	0	27
1	3	3	1	0	1	0	0	2	0	15
1	4	3	2	0	0	0	0	0	0	15
1	5	3	2	0	1096	16	8	24	0	56

[1]Copepods listed by species in Table 100

Table 100. Copepods in 1+ herring stomachs in June 2000.

TRAN	FISH#	UCAL	EBUN	CMAR	CPAC	ELON	MPAC	CABD	ALON	PMIN
9	1	0	0	0	0	0	0	0	0	0
9	2	16	0	0	0	0	0	0	0	0
9	3	3	0	1	0	0	17	0	0	0
9	4	0	0	0	0	0	0	1	0	0
11	1	25	0	0	0	0	0	0	0	0
11	2	0	0	0	0	0	0	0	0	0
3	1	0	0	576	896	8	176	0	0	0
3	2	1024	0	72	0	0	128	16	0	8
3	3	45	0	0	0	0	1	1	0	0
5	1	0	0	0	0	0	0	0	0	0
5	2	0	0	0	0	0	0	0	0	0
5	3	0	0	0	0	0	0	0	0	0
5	4	3	0	0	0	3	0	0	0	0
5	5	0	0	0	0	0	0	0	0	0
5	6	0	0	0	0	0	0	0	0	0
1	1	5	0	0	0	0	2	0	1	0
1	2	0	0	0	0	0	0	0	0	0
1	3	0	0	0	0	0	1	0	0	0
1	4	0	0	0	0	0	0	0	0	0
1	5	0	856	101	109	8	22	0	0	0

Table 101. Fullness and state of digestion of contents of year 2001 herring stomachs.

SEASON	AGE	FULLNESS	1-FRESH	2-PARTLY	3-MOSTLY	4-COMPLETE	ALL
June	HER0	0-empty	-	-	-	9	9
		1-trace	0	1	2	1	4
		2-half	0	3	8	9	20
		3-full	0	4	9	4	17
		Total	0	8	19	23	50
June	HER1	0-empty	-	-	-	27	27
		1-trace	2	4	3	2	11
		2-half	0	6	3	0	9
		3-full	1	7	2	0	10
		Total	3	17	8	29	57
Sept-Oct	HER0	0-empty	-	-	-	48	48
		1-trace	0	7	6	3	16
		2-half	2	24	12	2	40
		3-full	12	36	8	1	57
		Total	14	67	26	54	161
Sept-Oct	HER1	0-empty	-	-	-	21	21
		1-trace	1	2	9	2	14
		2-half	0	7	4	0	11
		3-full	2	20	8	0	30
		Total	3	29	21	23	76

Table 102. Organisms in 0+ herring stomachs in June 2001.

TRAN	FISH#	FULL	STATE	TURB	CLAD	OSTR	COPE[1]	SHRI	CRAZ	BARN	AMPH
8	1	2	3	0	0	1	0	0	0	0	0
8	2	2	3	0	0	0	0	0	0	25	0
9	1	2	3	0	0	1	0	0	0	0	1
9	2	2	3	0	1	0	0	0	0	0	3
9	3	2	3	1	0	0	0	0	0	0	0
9	4	2	3	0	0	0	0	0	1	0	0
11	1	3	3	0	0	1	0	0	0	0	0
11	2	3	3	0	0	0	0	0	0	0	3
11	3	3	3	0	0	3	0	0	0	0	1
11	4	3	3	0	0	1	0	0	0	0	0
37	1	2	2	0	5	3	288	1	0	0	1
37	2	2	2	0	4	5	576	1	0	0	0
37	3	2	2	2	0	2	556	2	0	0	2
37	4	3	2	0	5	2	432	1	0	0	0
37	5	3	2	2	7	2	374	3	0	0	3
37	6	3	2	0	11	4	584	1	0	1	1
37	7	3	2	0	14	10	524	3	0	0	1
37	8	3	3	0	17	1	828	1	0	1	1
37	9	3	3	0	0	3	644	3	0	0	0
5	1	2	3	0	0	0	0	0	0	0	1
5	2	2	3	0	0	0	0	0	0	0	2
5	3	3	3	0	0	0	76	0	0	2	0
5	4	3	3	0	0	0	0	0	0	0	1
5	5	3	3	0	0	0	0	0	0	0	7

[1]Copepods listed by species in Table 103

Table 102 cont'd

TRAN	FISH#	EUPL	LARV	EGGS
8	1	0	0	0
8	2	0	0	2
9	1	0	0	0
9	2	0	0	0
9	3	0	0	0
9	4	0	0	0
11	1	0	0	0
11	2	0	0	0
11	3	0	0	0
11	4	0	0	0
37	1	1	5	0
37	2	0	0	0
37	3	0	20	0
37	4	0	0	0
37	5	0	3	0
37	6	0	15	0
37	7	0	4	0
37	8	0	0	0
37	9	0	35	0
5	1	0	0	0
5	2	0	0	0
5	3	0	0	0
5	4	0	0	0
5	5	0	0	0

Table 103. Copepods in 0+ herring stomachs in June 2001.

TRAN	FISH#	UCAL	ALON	PPAR	PMIN	OITH	CANG
8	1	0	0	0	0	0	0
8	2	0	0	0	0	0	0
9	1	0	0	0	0	0	0
9	2	0	0	0	0	0	0
9	3	0	0	0	0	0	0
9	4	0	0	0	0	0	0
11	1	0	0	0	0	0	0
11	2	0	0	0	0	0	0
11	3	0	0	0	0	0	0
11	4	0	0	0	0	0	0
37	1	12	8	260	0	0	8
37	2	80	20	440	0	0	36
37	3	40	12	496	0	0	8
37	4	80	24	312	0	0	16
37	5	34	22	306	0	0	12
37	6	36	28	504	8	0	8
37	7	36	36	444	0	0	8
37	8	20	44	716	0	16	32
37	9	56	20	540	0	0	28
5	1	0	0	0	0	0	0
5	2	0	0	0	0	0	0
5	3	18	4	51	0	0	3
5	4	0	0	0	0	0	0
5	5	0	0	0	0	0	0

Table 104. Organisms in 1+ herring stomachs in June 2001.

TRAN	FISH#	FULL	STATE	CLAD	OSTR	COPE[1]	CRAZ	CRAM	AMPH	EUPL	EUPA	LARV
8	1	2	2	0	0	0	3	5	0	0	0	0
8	2	2	2	0	0	0	3	24	0	0	0	0
8	3	2	2	0	0	0	15	8	0	0	0	0
8	4	2	2	0	0	0	11	0	0	0	0	0
8	5	3	2	0	0	0	4	19	0	0	0	0
8	6	3	2	0	4	0	1	5	2	0	0	0
8	7	3	2	0	0	0	8	16	0	0	0	0
10	1	3	1	0	0	10	0	0	1	0	90	0
10	2	3	3	0	0	10	0	0	6	0	0	0
11	1	2	2	0	0	0	0	0	0	0	36	0
11	2	2	3	3	0	832	0	0	2	7	0	0
11	3	2	3	0	0	0	0	0	4	0	14	0
11	4	2	3	0	0	0	0	0	12	0	27	0
11	5	3	2	0	0	0	0	0	8	0	45	0
11	6	3	2	0	0	0	0	0	1	0	10	2
11	7	3	2	0	0	0	0	0	0	0	61	0
11	8	3	2	0	0	0	0	0	4	0	89	0
11	9	3	3	0	0	0	0	0	0	0	20	0
37	1	2	2	0	14	420	0	0	40	57	0	0

[1]Copepods listed by species in Table 105

Table 105. Copepods in 1+ herring stomachs in June 2001.

TRAN	FISH#	UCAL	EBUN	CMAR	CPAC	ELON	MPAC	CABD	ALON	PPAR	PMIN	CANG
8	1	0	0	0	0	0	0	0	0	0	0	0
8	2	0	0	0	0	0	0	0	0	0	0	0
8	3	0	0	0	0	0	0	0	0	0	0	0
8	4	0	0	0	0	0	0	0	0	0	0	0
8	5	0	0	0	0	0	0	0	0	0	0	0
8	6	0	0	0	0	0	0	0	0	0	0	0
8	7	0	0	0	0	0	0	0	0	0	0	0
10	1	1	0	0	1	0	6	2	0	0	0	0
10	2	0	0	0	10	0	0	0	0	0	0	0
11	1	0	0	0	0	0	0	0	0	0	0	0
11	2	516	8	12	0	4	0	148	104	28	12	0
11	3	0	0	0	0	0	0	0	0	0	0	0
11	4	0	0	0	0	0	0	0	0	0	0	0
11	5	0	0	0	0	0	0	0	0	0	0	0
11	6	0	0	0	0	0	0	0	0	0	0	0
11	7	0	0	0	0	0	0	0	0	0	0	0
11	8	0	0	0	0	0	0	0	0	0	0	0
11	9	0	0	0	0	0	0	0	0	0	0	0
37	1	108	0	0	0	4	0	0	40	232	20	16

Table 106. Organisms in 0+ herring stomachs in September 1996.

TRAN	FISH#	FULL	STATE	COPE[1]	CRAZ	BARN	AMPH	EUPL	EUPA
8	1	2	2	168	2	0	0	0	0
8	2	2	3	1	0	0	0	0	0
8	3	2	3	15	1	0	0	0	0
8	4	2	3	8	12	0	1	0	0
10	1	2	2	2	0	0	0	0	2
10	2	2	2	0	0	0	0	0	3
10	3	2	2	4	0	0	0	0	2
10	4	2	2	2	0	0	0	0	3
10	5	2	2	8	0	0	1	1	1
10	6	2	2	2	0	0	0	0	1
10	7	2	3	1	0	0	0	0	4
10	8	3	2	1	0	1	0	0	5
11	1	2	2	1	0	0	0	8	0
11	2	2	2	0	0	0	0	1	1
11	3	2	3	0	0	0	0	1	0
11	4	2	3	0	0	0	0	0	1
11	5	2	3	1	0	0	0	0	1
4	1	2	3	0	0	60	0	0	0
4	2	2	3	0	0	101	0	0	0
4	3	2	3	0	0	35	0	0	0
4	4	2	3	2	0	42	0	0	0

[1]Copepods listed by species in Table 107

Table 107. Copepods in 0+ herring stomachs in September 1996.

TRAN	FISH#	UCAL	MPAC	CGRA	PMIN	UCYC
8	1	166	0	2	0	0
8	2	1	0	0	0	0
8	3	14	1	0	0	0
8	4	8	0	0	0	0
10	1	2	0	0	0	0
10	2	0	0	0	0	0
10	3	3	1	0	0	0
10	4	2	0	0	0	0
10	5	1	6	0	0	1
10	6	0	0	0	1	1
10	7	0	1	0	0	0
10	8	0	1	0	0	0
11	1	0	1	0	0	0
11	2	0	0	0	0	0
11	3	0	0	0	0	0
11	4	0	0	0	0	0
11	5	1	0	0	0	0
4	1	0	0	0	0	0
4	2	0	0	0	0	0
4	3	0	0	0	0	0
4	4	2	0	0	0	0

Table 108. Organisms in 1+ herring stomachs in September 1996.

TRAN	FISH#	FULL	STATE	COPE[1]	CRAZ	AMPH	EUPL	EUPA
8	1	2	2	11	2	33	0	0
8	2	3	1	0	0	1	0	20
11	1	2	2	1	0	0	0	10
11	2	3	1	1	0	0	0	28
11	3	3	1	0	0	0	160	0
11	4	3	1	0	0	1	16	12
11	5	3	2	43	0	4	0	1
11	6	3	2	75	0	0	0	0
11	7	3	2	110	0	1	0	9
11	8	3	2	340	0	0	0	0
11	9	3	2	358	0	0	0	2
11	10	3	2	0	0	0	0	10
11	11	3	3	8	0	4	0	0

[1]Copepods listed by species in Table 109

Table 109. Copepods in 1+ herring stomachs in September 1996.

TRAN	FISH#	UCAL	MPAC	CGRA
8	1	11	0	0
8	2	0	0	0
11	1	1	0	0
11	2	1	0	0
11	3	0	0	0
11	4	0	0	0
11	5	41	2	0
11	6	74	1	0
11	7	110	0	0
11	8	340	0	0
11	9	308	28	22
11	10	0	0	0
11	11	8	0	0

Table 110. Organisms in 0+ herring stomachs in September 2000.

TRAN	FISH#	FULL	STATE	TURB	POLY	GAST	PELE	CLAD	OSTR	COPE[1]	BARN
9	1	2	2	0	0	0	0	0	0	0	0
9	2	2	2	0	0	0	0	8	0	688	216
9	3	2	3	0	0	0	0	0	0	0	0
9	4	3	2	0	0	0	0	0	0	4	0
10	1	2	2	0	0	0	0	0	0	0	0
10	2	2	2	0	0	0	0	0	0	2	0
10	3	3	2	0	0	0	0	0	0	0	0
10	4	3	2	0	0	0	0	0	0	0	0
10	5	3	2	0	0	0	0	0	0	0	0
11	1	2	2	0	0	0	0	0	0	0	0
11	2	3	2	0	0	0	0	0	0	0	0
36	1	2	2	0	0	0	0	0	0	0	0
36	2	3	2	0	0	0	0	0	0	0	0
36	3	3	2	0	0	0	0	0	0	0	0
36	4	3	2	0	0	0	0	0	0	0	0
36	5	3	2	0	0	0	0	0	0	0	0
4	1	2	2	0	0	0	0	0	0	712	280
4	2	2	2	0	0	0	0	8	0	472	264
4	3	2	2	0	0	0	0	0	0	456	496
4	4	2	2	0	0	0	0	0	0	600	296
4	5	2	2	12	0	0	4	0	0	100	216
3	1	2	2	0	0	0	0	0	0	304	0
3	2	2	2	0	0	0	0	0	0	0	0
3	3	3	2	0	0	0	0	0	0	2	0
3	4	3	2	0	0	0	0	0	0	0	0
3	5	3	2	0	0	0	0	0	0	0	0
5	1	2	2	0	0	2	0	0	1	3	0
5	2	3	2	0	0	0	0	0	0	3248	16
5	3	3	2	0	0	0	0	0	0	2	0
5	4	3	2	0	0	0	0	0	1	0	0
5	5	3	2	0	0	0	0	0	0	0	0
1	1	2	2	0	13	0	0	0	4	17	0
1	2	2	2	0	0	0	0	0	0	186	0
1	3	3	2	0	0	0	0	0	0	0	0
1	4	3	2	0	0	3	0	0	0	1	0
1	5	3	2	0	0	0	0	0	0	0	0
25	1	2	2	1	0	0	0	0	0	0	0
25	2	3	2	0	0	0	0	0	0	0	0
25	3	3	2	0	0	0	0	0	0	0	0
25	4	3	2	0	0	0	0	0	0	0	0
2	1	2	2	0	0	0	0	0	0	114	0
2	2	2	2	16	0	0	0	0	0	91	24
2	3	3	2	0	0	0	20	0	0	317	0
6	1	2	2	0	0	0	0	0	0	308	8

[1]Copepods listed by species in Table 111

Table 110 cont'd

TRAN	FISH#	AMPH	EUPL	EUPA	CHAE	LARV	EGGS
9	1	0	0	10	0	0	0
9	2	0	0	0	0	0	0
9	3	0	0	2	0	0	0
9	4	1	0	21	0	0	0
10	1	1	0	9	0	0	0
10	2	0	0	2	0	0	0
10	3	0	0	26	0	0	0
10	4	0	0	21	0	0	0
10	5	0	0	14	0	0	0
11	1	0	0	4	0	8	0
11	2	0	0	6	0	0	0
36	1	0	0	2	0	0	0
36	2	0	0	25	0	0	0
36	3	0	0	27	0	0	0
36	4	0	0	18	0	0	0
36	5	0	0	23	0	0	0
4	1	0	0	0	0	0	0
4	2	0	0	0	0	0	0
4	3	0	0	0	0	0	8
4	4	0	0	0	0	0	0
4	5	0	0	0	0	0	0
3	1	0	0	0	0	0	0
3	2	1	0	6	0	0	0
3	3	1	0	8	0	0	0
3	4	0	0	5	0	0	0
3	5	0	0	10	0	0	0
5	1	2	0	6	0	0	0
5	2	32	16	2	0	0	0
5	3	0	0	45	0	0	0
5	4	5	4	14	0	0	0
5	5	2	2	12	0	0	0
1	1	1	0	0	0	0	15
1	2	0	0	0	0	22	0
1	3	0	1	17	0	0	0
1	4	0	0	9	0	0	0
1	5	0	0	10	0	0	0
25	1	6	0	2	0	0	17
25	2	0	0	6	0	0	0
25	3	4	0	5	0	0	0
25	4	0	0	17	0	0	0
2	1	0	0	0	0	232	62
2	2	0	0	0	0	224	116
2	3	0	0	0	0	0	0
6	1	0	0	0	36	0	0

Table 111. Copepods in 0+ herring stomachs in September 2000.

TRAN	FISH#	UCAL	CMAR	CPAC	EJAP	CCOL	MPAC	CABD	TDIS	PPAR	PMIN	OITH	CANG
9	1	0	0	0	0	0	0	0	0	0	0	0	0
9	2	232	0	0	0	0	0	16	32	168	0	0	240
9	3	0	0	0	0	0	0	0	0	0	0	0	0
9	4	2	0	0	0	0	0	0	0	2	0	0	0
10	1	0	0	0	0	0	0	0	0	0	0	0	0
10	2	2	0	0	0	0	0	0	0	0	0	0	0
10	3	0	0	0	0	0	0	0	0	0	0	0	0
10	4	0	0	0	0	0	0	0	0	0	0	0	0
10	5	0	0	0	0	0	0	0	0	0	0	0	0
11	1	0	0	0	0	0	0	0	0	0	0	0	0
11	2	0	0	0	0	0	0	0	0	0	0	0	0
36	1	0	0	0	0	0	0	0	0	0	0	0	0
36	2	0	0	0	0	0	0	0	0	0	0	0	0
36	3	0	0	0	0	0	0	0	0	0	0	0	0
36	4	0	0	0	0	0	0	0	0	0	0	0	0
36	5	0	0	0	0	0	0	0	0	0	0	0	0
4	1	160	0	0	0	0	0	0	112	112	88	0	240
4	2	160	0	0	0	0	0	0	0	272	0	0	40
4	3	0	0	0	0	0	0	0	0	376	0	0	80
4	4	0	0	0	0	0	0	0	8	504	0	0	88
4	5	52	0	0	0	0	0	0	0	4	0	0	44
3	1	0	0	140	0	0	164	0	0	0	0	0	0
3	2	0	0	0	0	0	0	0	0	0	0	0	0
3	3	2	0	0	0	0	0	0	0	0	0	0	0
3	4	0	0	0	0	0	0	0	0	0	0	0	0
3	5	0	0	0	0	0	0	0	0	0	0	0	0
5	1	3	0	0	0	0	0	0	0	0	0	0	0
5	2	2400	0	0	0	0	48	0	0	672	112	0	16
5	3	2	0	0	0	0	0	0	0	0	0	0	0
5	4	0	0	0	0	0	0	0	0	0	0	0	0
5	5	0	0	0	0	0	0	0	0	0	0	0	0
1	1	4	4	2	0	4	0	0	0	3	0	0	0
1	2	56	0	0	2	0	0	0	0	10	0	2	116
1	3	0	0	0	0	0	0	0	0	0	0	0	0
1	4	1	0	0	0	0	0	0	0	0	0	0	0
1	5	0	0	0	0	0	0	0	0	0	0	0	0
25	1	0	0	0	0	0	0	0	0	0	0	0	0
25	2	0	0	0	0	0	0	0	0	0	0	0	0
25	3	0	0	0	0	0	0	0	0	0	0	0	0
25	4	0	0	0	0	0	0	0	0	0	0	0	0
2	1	12	0	0	0	0	0	0	0	56	0	0	46
2	2	0	0	0	0	0	0	0	0	23	22	0	46
2	3	0	158	159	0	0	0	0	0	0	0	0	0
6	1	12	0	296	0	0	0	0	0	0	0	0	0

Table 112. Organisms in 1+ herring stomachs in September 2000.

TRAN	FISH#	FULL	STATE	TURB	POLY	COPE[1]	SHRI	CRAM	AMPH	EUPA	LARV	EGGS
9	1	3	2	0	0	0	0	0	0	26	0	0
10	1	2	2	0	0	0	0	0	0	23	0	0
10	2	2	2	0	0	0	0	0	0	7	0	0
10	3	3	2	0	0	0	0	0	0	51	0	0
10	4	3	2	0	0	0	0	0	0	53	0	0
10	5	3	2	0	0	0	0	0	0	58	0	0
11	1	2	2	0	0	0	0	0	0	7	0	0
11	2	3	2	0	0	0	0	0	0	10	0	0
11	3	3	2	0	0	0	0	0	1	21	0	0
36	1	2	2	0	0	0	0	0	0	13	0	0
36	2	2	2	0	0	0	0	0	0	6	0	0
3	1	2	2	2	0	2	1	0	0	7	0	0
3	2	3	2	0	0	0	0	0	0	44	0	0
1	1	2	2	0	0	81	0	0	0	6	0	0
25	1	2	2	0	80	276	0	0	4	4	0	4
25	2	2	2	0	90	90	0	0	6	0	0	4
25	3	3	2	0	52	138	0	2	8	16	2	18

[1]Copepods listed by species in Table 113

Table 113. Copepods in 1+ herring stomachs in September 2000.

TRAN	FISH#	EBUN	CMAR	CPAC	MPAC
9	1	0	0	0	0
10	1	0	0	0	0
10	2	0	0	0	0
10	3	0	0	0	0
10	4	0	0	0	0
10	5	0	0	0	0
11	1	0	0	0	0
11	2	0	0	0	0
11	3	0	0	0	0
36	1	0	0	0	0
36	2	0	0	0	0
3	1	0	0	0	2
3	2	0	0	0	0
1	1	81	0	0	0
25	1	0	138	138	0
25	2	0	48	42	0
25	3	0	69	69	0

Table 114. Organisms in 2+ herring stomachs in September 2000.

TRAN	FISH#	FULL	STATE	COPE	CRAZ	CRAM	EUPA
9	1	2	2	0	0	0	25
11	1	2	2	0	0	0	7
36	1	3	2	0	0	0	78
5	1	2	2	1	67	56	0
1	1	2	2	0	0	0	22

Table 115. Organisms in 0+ herring stomachs on the mainland shore in September 2001.

TRAN	FISH#	FULL	STATE	TURB	CLAD	OSTR	COPE[1]	SHRI	CRAZ	BARN	AMPH
19	1	2	2	0	0	3	8	0	1	0	0
19	2	2	2	0	0	0	0	0	0	0	0
19	3	2	2	0	0	0	0	0	0	0	0
19	4	2	2	0	0	0	0	0	0	0	0
19	5	3	2	0	0	0	0	0	0	0	0
8	1	2	2	0	0	2	90	0	0	2	0
8	2	3	2	2	0	2	2112	0	0	6	0
8	3	3	2	0	0	0	1704	0	0	48	0
8	4	3	2	0	2	9	312	0	0	3	0
8	5	3	2	0	0	4	220	0	0	0	0
8	6	3	3	0	0	0	248	0	0	424	0
9	1	2	1	0	0	0	0	0	0	0	0
9	2	2	2	2	0	12	92	0	0	0	1
9	3	2	2	0	0	0	0	0	0	0	0
9	4	3	1	0	0	5	94	0	1	0	0
9	5	3	1	0	0	0	572	0	0	0	1
9	6	3	2	0	0	3	1576	0	0	0	0
9	7	3	2	0	0	0	776	0	0	0	0
9	8	3	2	0	0	0	664	2	0	0	0
21	1	3	2	0	0	0	0	0	0	0	0
21	2	3	2	0	0	0	0	0	0	0	1
21	3	3	2	0	0	0	0	0	0	0	0
21	4	3	2	0	0	0	0	0	0	0	0
10	1	2	2	0	0	0	0	0	0	0	0
10	2	2	2	0	0	0	0	0	0	0	0
10	3	3	2	0	0	0	0	0	0	0	0
10	4	3	2	0	0	0	0	0	0	0	0
22	1	2	2	1	0	0	116	0	0	12	0
22	2	2	2	0	0	0	0	0	0	0	0
22	3	3	2	0	0	0	0	0	0	0	0
11	1	2	2	4	0	0	508	0	0	0	0
11	2	3	2	0	0	1	1744	0	0	0	1
11	3	3	2	2	0	0	3328	0	0	15	4
11	4	3	2	0	0	0	0	0	0	0	1
11	5	3	2	0	0	0	0	0	0	0	0
37	1	2	2	3	0	14	184	0	0	21	0
37	2	2	2	6	8	2	400	0	0	56	0
37	3	3	2	8	0	2	208	0	0	88	0

[1]Copepods listed by species in Table 116

Table 115 cont'd

TRAN	FISH#	EUPA	CHAE	LARV
19	1	1	0	10
19	2	1	0	0
19	3	1	0	0
19	4	2	0	0
19	5	4	0	0
8	1	0	0	66
8	2	0	0	10
8	3	0	0	152
8	4	0	0	30
8	5	0	0	152
8	6	0	0	1496
9	1	1	0	0
9	2	0	0	20
9	3	5	0	0
9	4	1	0	5
9	5	3	0	53
9	6	0	5	55
9	7	0	0	24
9	8	2	3	2
21	1	4	0	0
21	2	5	0	0
21	3	23	0	0
21	4	9	0	0
10	1	1	0	0
10	2	4	0	0
10	3	5	0	0
10	4	5	0	0
22	1	2	0	9
22	2	1	0	0
22	3	11	0	0
11	1	0	0	0
11	2	0	0	0
11	3	0	0	0
11	4	28	0	0
11	5	11	0	0
37	1	0	0	5
37	2	0	0	32
37	3	0	0	48

Table 116. Copepods in 0+ herring stomachs on the mainland shore in September 2001.

TRAN	FISH#	UCAL	EBUN	MPAC	APAC	CABD	ALON	PPAR	PMIN	CANG	UHAR
19	1	2	0	0	0	0	0	3	0	1	2
19	2	0	0	0	0	0	0	0	0	0	0
19	3	0	0	0	0	0	0	0	0	0	0
19	4	0	0	0	0	0	0	0	0	0	0
19	5	0	0	0	0	0	0	0	0	0	0
8	1	22	0	0	0	0	2	50	0	16	0
8	2	80	0	0	0	0	0	2000	0	32	0
8	3	128	0	0	0	0	0	1520	0	56	0
8	4	16	0	0	0	0	0	296	0	0	0
8	5	48	0	0	0	0	0	156	0	16	0
8	6	72	0	0	0	0	24	144	0	8	0
9	1	0	0	0	0	0	0	0	0	0	0
9	2	36	0	0	0	0	2	52	0	2	0
9	3	0	0	0	0	0	0	0	0	0	0
9	4	47	3	5	0	0	1	35	1	2	0
9	5	156	0	0	0	0	8	376	16	16	0
9	6	216	0	0	0	8	0	1168	168	16	0
9	7	248	0	0	0	0	0	504	0	24	0
9	8	32	0	496	8	0	0	104	16	8	0
21	1	0	0	0	0	0	0	0	0	0	0
21	2	0	0	0	0	0	0	0	0	0	0
21	3	0	0	0	0	0	0	0	0	0	0
21	4	0	0	0	0	0	0	0	0	0	0
10	1	0	0	0	0	0	0	0	0	0	0
10	2	0	0	0	0	0	0	0	0	0	0
10	3	0	0	0	0	0	0	0	0	0	0
10	3	0	0	0	0	0	0	0	0	0	0
22	1	44	0	0	0	0	0	72	0	0	0
22	2	0	0	0	0	0	0	0	0	0	0
22	3	0	0	0	0	0	0	0	0	0	0
11	1	60	0	0	0	0	0	448	0	0	0
11	2	128	0	0	0	0	0	1616	0	0	0
11	3	752	0	0	0	0	0	2576	0	0	0
11	4	0	0	0	0	0	0	0	0	0	0
11	5	0	0	0	0	0	0	0	0	0	0
37	1	48	0	0	0	0	4	96	0	36	0
37	2	72	0	0	0	0	0	216	0	112	0
37	3	56	0	0	0	0	8	88	0	56	0

Table 117. Organisms in 0+ herring stomachs on the Vancouver Is. shore in September 2001.

TRAN	FISH#	FULL	STATE	TURB	GAST	CLAD	OSTR	COPE[1]	CRAZ	CRAM	BARN
36	1	2	2	0	0	0	0	0	0	0	0
36	2	3	1	0	0	0	0	0	0	0	0
36	3	3	1	0	0	0	0	0	0	0	0
36	4	3	2	0	0	0	0	0	0	0	0
36	5	3	2	0	0	0	0	13	0	0	0
36	6	3	2	0	0	0	0	0	0	0	0
4	1	2	1	0	0	12	10	136	0	0	153
4	2	2	2	0	0	4	5	292	0	0	60
4	3	2	2	0	0	32	4	264	0	8	76
4	4	2	3	0	0	16	0	128	0	0	72
3	1	2	3	0	0	0	0	0	0	0	0
3	2	3	1	0	0	0	0	0	0	0	0
3	3	3	2	0	0	0	0	0	0	0	0
3	4	3	2	0	0	0	0	0	0	0	0
3	5	3	3	0	0	0	0	13	0	0	2
3	6	3	3	0	0	0	0	0	0	0	0
3	7	3	3	0	0	0	0	6	0	0	2
3	8	3	3	2	0	0	1	10	0	0	1
3	9	3	3	0	0	0	0	10	0	0	1
3	10	3	3	0	0	0	0	0	0	0	0
16	1	2	2	0	0	0	0	0	0	0	0
16	2	3	1	1	0	0	0	0	0	0	0
15	1	2	3	3	0	0	0	6	0	0	0
15	2	3	1	0	0	0	0	0	0	0	0
15	3	3	1	0	0	0	0	0	0	0	0
15	4	3	1	0	0	0	0	0	0	0	0
15	5	3	2	1	0	0	1	800	0	0	0
5	1	2	2	0	0	0	4	148	0	0	0
5	2	2	2	0	0	0	0	156	0	0	0
5	3	2	3	2	0	0	0	6	0	0	0
5	4	3	2	0	20	0	0	128	0	0	0
5	5	3	3	0	5	0	8	230	0	0	0
14	1	2	2	0	0	0	0	0	0	0	0
14	2	3	1	0	0	0	0	0	0	0	0
14	3	3	2	0	0	0	0	0	0	0	0
14	4	3	2	0	0	0	0	0	0	0	0
14	5	3	2	0	0	0	0	0	0	0	0
1	1	3	1	2	0	0	0	0	0	0	0
1	2	3	1	0	0	0	0	0	0	0	0
1	3	3	2	0	0	0	0	0	0	0	0
1	4	3	2	0	0	0	0	0	0	0	0
1	5	3	2	0	0	0	0	0	0	0	0
2	1	2	2	0	0	0	4	0	0	0	2
2	2	2	2	1	0	0	3	284	0	0	30
2	3	2	2	0	0	2	4	156	0	0	16
2	4	2	3	0	0	0	0	0	0	0	2
2	5	2	3	0	0	0	2	0	1	0	0
2	6	2	3	0	0	4	4	220	1	0	24
2	7	3	2	0	0	0	3	40	0	0	61
2	8	3	2	1	0	0	7	292	0	0	4
2	9	3	2	1	0	28	6	556	0	0	36
6	1	2	3	0	0	0	1	0	0	1	0
6	2	2	3	0	0	0	7	3	0	0	0
6	3	2	3	0	0	0	0	2	0	0	0
6	4	2	3	0	0	0	4	6	0	1	1
6	5	2	3	0	0	0	0	3	0	0	0

[1]Copepods listed by species in Table 118

Table 117 cont'd

TRAN	FISH#	AMPH	EUPA	LARV	EGGS
36	1	0	1	0	0
36	2	0	8	0	0
36	3	0	11	0	0
36	4	0	10	0	0
36	5	2	2	0	0
36	6	0	10	0	0
4	1	0	0	31	0
4	2	0	0	70	0
4	3	0	0	102	0
4	4	0	0	60	0
3	1	0	1	0	0
3	2	0	1	0	0
3	3	0	2	0	0
3	4	0	2	0	0
3	5	0	0	0	22
3	6	0	0	5	0
3	7	0	0	0	2
3	8	0	0	0	1
3	9	4	0	0	1
3	10	0	1	0	0
16	1	0	1	0	0
16	2	0	18	0	0
15	1	0	0	0	0
15	2	0	7	0	0
15	3	3	4	0	0
15	4	1	4	0	0
15	5	1	4	0	0
5	1	0	0	0	0
5	2	1	0	0	0
5	3	0	0	0	0
5	4	1	0	0	0
5	5	1	0	0	0
14	1	0	2	0	0
14	2	0	2	0	0
14	3	0	5	0	0
14	4	0	3	0	0
14	5	0	3	0	0
1	1	0	8	0	0
1	2	0	7	0	0
1	3	0	3	0	0
1	4	0	4	0	0
1	5	0	10	0	0
2	1	0	0	0	0
2	2	0	0	40	2
2	3	0	0	8	0
2	4	0	0	0	0
2	5	0	0	0	5
2	6	0	0	32	1
2	7	0	0	0	0
2	8	0	0	0	2
2	9	0	0	30	0
6	1	0	0	0	0
6	2	1	0	0	0
6	3	1	0	0	0
6	4	0	0	41	0
6	5	0	0	0	0

Table 118. Copepods in 0+ herring stomachs on the Vancouver Is. shore in September 2001.

TRAN	FISH#	UCAL	CMAR	CPAC	CCOL	MPAC	APAC	CABD	TDIS	PPAR	PMIN	CANG
36	1	0	0	0	0	0	0	0	0	0	0	0
36	2	0	0	0	0	0	0	0	0	0	0	0
36	3	0	0	0	0	0	0	0	0	0	0	0
36	4	0	0	0	0	0	0	0	0	0	0	0
36	5	8	5	0	0	0	0	0	0	0	0	0
36	6	0	0	0	0	0	0	0	0	0	0	0
4	1	8	0	0	0	0	0	0	0	120	0	8
4	2	8	0	0	0	0	0	0	0	216	0	68
4	3	0	0	0	0	0	0	0	16	208	8	32
4	4	12	0	0	0	0	0	0	4	76	0	36
3	1	0	0	0	0	0	0	0	0	0	0	0
3	2	0	0	0	0	0	0	0	0	0	0	0
3	3	0	0	0	0	0	0	0	0	0	0	0
3	4	0	0	0	0	0	0	0	0	0	0	0
3	5	3	0	0	0	1	0	9	0	0	0	0
3	6	0	0	0	0	0	0	0	0	0	0	0
3	7	2	0	0	0	2	0	0	0	2	0	0
3	8	4	0	1	0	5	0	0	0	0	0	0
3	9	1	0	0	0	0	0	8	0	0	0	1
3	10	0	0	0	0	0	0	0	0	0	0	0
16	1	0	0	0	0	0	0	0	0	0	0	0
16	2	0	0	0	0	0	0	0	0	0	0	0
15	1	6	0	0	0	0	0	0	0	0	0	0
15	2	0	0	0	0	0	0	0	0	0	0	0
15	3	0	0	0	0	0	0	0	0	0	0	0
15	4	0	0	0	0	0	0	0	0	0	0	0
15	5	48	0	0	0	752	0	0	0	0	0	0
5	1	16	0	0	0	132	0	0	0	0	0	0
5	2	16	0	0	0	116	0	0	0	24	0	0
5	3	4	0	0	0	2	0	0	0	0	0	0
5	4	24	0	0	0	104	0	0	0	0	0	0
5	5	20	3	3	32	168	4	0	0	0	0	0
14	1	0	0	0	0	0	0	0	0	0	0	0
14	2	0	0	0	0	0	0	0	0	0	0	0
14	3	0	0	0	0	0	0	0	0	0	0	0
14	4	0	0	0	0	0	0	0	0	0	0	0
14	5	0	0	0	0	0	0	0	0	0	0	0
1	1	0	0	0	0	0	0	0	0	0	0	0
1	2	0	0	0	0	0	0	0	0	0	0	0
1	3	0	0	0	0	0	0	0	0	0	0	0
1	4	0	0	0	0	0	0	0	0	0	0	0
1	5	0	0	0	0	0	0	0	0	0	0	0
2	1	0	0	0	0	0	0	0	0	0	0	0
2	2	8	0	0	0	0	0	0	0	76	0	200
2	3	26	0	0	0	0	0	0	0	32	0	98
2	4	0	0	0	0	0	0	0	0	0	0	0
2	5	0	0	0	0	0	0	0	0	0	0	0
2	6	24	0	0	0	0	0	0	0	48	0	148
2	7	0	0	0	0	0	0	0	0	4	0	36
2	8	68	0	0	0	0	0	0	0	52	0	172
2	9	0	0	0	0	0	0	0	0	132	0	424
6	1	0	0	0	0	0	0	0	0	0	0	0
6	2	1	0	0	0	0	0	0	0	0	0	2
6	3	0	0	0	0	0	0	0	0	0	0	2
6	4	0	0	0	0	0	0	0	0	0	0	6
6	5	2	0	0	0	0	0	0	0	0	0	1

Table 119. Organisms in 1+ herring stomachs in September 2001.

TRAN	FISH#	FULL	STATE	GAST	OSTR	COPE[1]	SHRI	CRAZ	CRAM	BARN	AMPH
19	1	3	2	0	0	0	0	0	0	0	0
19	2	3	2	0	0	0	0	0	0	0	0
19	3	3	2	0	0	0	0	0	0	0	0
19	4	3	2	0	0	0	0	0	0	0	0
19	5	3	2	0	0	0	0	0	0	0	0
22	1	2	3	0	0	0	0	0	0	0	0
22	2	3	2	4	0	0	0	0	0	0	0
22	3	3	2	0	0	0	0	0	0	0	0
3	1	2	2	0	0	6	0	1	0	0	4
3	2	2	3	0	0	0	0	0	0	0	0
3	3	3	1	0	0	0	0	0	0	0	0
3	4	3	2	0	0	4	0	0	0	0	0
3	5	3	2	0	0	0	0	0	0	0	0
3	6	3	2	0	0	0	0	0	0	0	0
3	7	3	3	0	0	0	0	0	0	0	0
3	8	3	3	0	0	0	0	0	0	0	0
16	1	2	3	0	0	0	0	0	0	0	0
16	2	3	2	0	0	0	0	0	0	0	0
16	3	3	2	0	0	0	0	0	0	0	0
16	4	3	2	0	0	0	0	0	0	0	0
16	5	3	3	0	0	0	0	0	0	0	0
5	1	3	2	0	0	3	0	0	0	0	0
5	2	3	2	2	0	35	0	0	0	0	7
5	3	3	3	0	0	0	0	0	0	0	1
5	4	3	3	3	0	53	0	0	0	0	3
5	5	3	3	0	0	33	0	0	0	0	0
14	1	2	2	0	0	0	0	0	0	0	0
14	2	2	3	0	0	0	0	0	0	0	0
14	3	3	1	0	0	0	0	0	0	0	0
14	4	3	2	0	0	0	0	0	0	0	0
14	5	3	2	0	0	0	0	0	0	0	0
1	1	2	2	13	0	4	0	0	0	0	0
1	2	2	2	0	0	4	0	1	0	0	56
1	3	3	2	0	0	6	6	0	0	0	4
1	4	3	3	0	0	25	5	2	0	0	244
1	5	3	3	0	0	0	0	0	0	0	97
25	1	2	2	0	0	0	0	0	0	0	0
25	2	3	2	0	0	0	0	0	0	0	0
25	3	3	2	0	0	0	0	0	0	0	0
2	1	2	2	0	2	7	0	0	0	1	0
2	2	2	2	0	0	0	0	27	1	0	0

[1]Copepods listed by species in Table 120

Table 119 cont'd

TRAN	FISH#	EUPA	LARV
19	1	9	0
19	2	11	0
19	3	5	0
19	4	7	0
19	5	23	0
22	1	2	0
22	2	6	0
22	3	8	0
3	1	4	0
3	2	6	0
3	3	1	0
3	4	8	0
3	5	55	0
3	6	63	0
3	7	7	0
3	8	19	0
16	1	3	0
16	2	7	0
16	3	19	0
16	4	48	0
16	5	7	0
5	1	8	0
5	2	14	0
5	3	4	0
5	4	3	0
5	5	0	0
14	1	5	0
14	2	1	0
14	3	9	0
14	4	9	0
14	5	7	0
1	1	2	0
1	2	14	0
1	3	26	0
1	4	15	0
1	5	15	0
25	1	10	0
25	2	11	0
25	3	36	0
2	1	0	121
2	2	0	0

Table 120. Copepods in 1+ herring stomachs in September 2001.

TRAN	FISH#	UCAL	EBUN	CMAR	CPAC	CCOL	ELON	MPAC	ALON	PPAR
19	1	0	0	0	0	0	0	0	0	0
19	2	0	0	0	0	0	0	0	0	0
19	3	0	0	0	0	0	0	0	0	0
19	4	0	0	0	0	0	0	0	0	0
19	5	0	0	0	0	0	0	0	0	0
22	1	0	0	0	0	0	0	0	0	0
22	2	0	0	0	0	0	0	0	0	0
22	3	0	0	0	0	0	0	0	0	0
3	1	2	0	0	2	0	0	2	0	0
3	2	0	0	0	0	0	0	0	0	0
3	3	0	0	0	0	0	0	0	0	0
3	4	1	0	0	0	0	0	2	0	1
3	5	0	0	0	0	0	0	0	0	0
3	6	0	0	0	0	0	0	0	0	0
3	7	0	0	0	0	0	0	0	0	0
3	8	0	0	0	0	0	0	0	0	0
16	1	0	0	0	0	0	0	0	0	0
16	2	0	0	0	0	0	0	0	0	0
16	3	0	0	0	0	0	0	0	0	0
16	4	0	0	0	0	0	0	0	0	0
16	5	0	0	0	0	0	0	0	0	0
5	1	1	0	0	0	0	0	2	0	0
5	2	0	0	2	0	0	33	0	0	0
5	3	0	0	0	0	0	0	0	0	0
5	4	0	0	0	0	7	19	27	0	0
5	5	0	0	0	0	0	4	29	0	0
14	1	0	0	0	0	0	0	0	0	0
14	2	0	0	0	0	0	0	0	0	0
14	3	0	0	0	0	0	0	0	0	0
14	4	0	0	0	0	0	0	0	0	0
14	5	0	0	0	0	0	0	0	0	0
1	1	0	0	0	2	0	1	1	0	0
1	2	0	0	0	4	0	0	0	0	0
1	3	0	0	0	6	0	0	0	0	0
1	4	12	1	4	7	0	1	0	0	0
1	5	0	0	0	0	0	0	0	0	0
25	1	0	0	0	0	0	0	0	0	0
25	2	0	0	0	0	0	0	0	0	0
25	3	0	0	0	0	0	0	0	0	0
2	1	1	0	0	4	0	0	0	1	1
2	2	0	0	0	0	0	0	0	0	0

Table 121. Fullness and state of digestion of contents of year 2002 herring stomachs.

SEASON	AGE	FULLNESS	1-FRESH	2-PARTLY	3-MOSTLY	4-COMPLETE	ALL
Sept-Oct	HER0	0-empty	-	-	-	22	22
		1-trace	0	4	15	3	22
		2-half	0	12	19	0	31
		3-full	0	10	4	0	14
		Total	0	26	38	25	89
Sept-Oct	HER1	0-empty	-	-	-	11	11
		1-trace	0	1	9	7	17
		2-half	0	5	3	1	9
		3-full	0	9	0	0	9
		Total	0	15	12	19	46

Table 122. Organisms in 0+ herring stomachs in September 2002.

TRAN	FISH#	FULL	STATE	TURB	POLY	GAST	CLAD	OSTR	COPE[1]	SHRI	CRAZ
9	1	2	2	2	0	0	0	0	2	0	0
9	2	2	3	0	0	0	0	0	1	0	0
9	3	3	3	3	0	0	0	0	17	0	0
10	1	2	2	4	0	0	0	0	1	0	0
10	2	2	3	3	0	0	0	0	15	0	0
11	1	2	2	5	0	0	0	0	1	0	0
11	2	2	2	0	0	0	0	0	3	0	0
11	3	2	3	0	0	0	0	0	5	0	0
4	1	2	2	0	0	0	8	0	56	0	0
4	2	2	2	4	0	0	4	0	24	0	0
4	3	2	2	4	0	0	12	0	25	0	0
4	4	2	2	16	0	0	8	0	40	0	0
4	5	2	2	0	0	0	40	0	8	0	0
4	6	3	2	0	0	0	160	0	128	0	0
4	7	3	2	16	0	0	64	0	176	0	0
3	1	2	3	2	0	0	0	0	0	0	0
3	2	2	3	4	0	0	0	0	152	0	0
5	1	2	2	7	0	0	0	0	203	0	0
5	2	2	3	0	0	0	1	0	113	0	0
5	3	2	3	0	0	0	0	0	38	0	0
5	4	2	3	0	0	0	0	0	23	0	0
5	5	2	3	4	0	0	0	0	63	0	0
5	6	3	2	2	0	0	0	0	3	0	0
1	1	2	2	0	8	0	0	8	608	0	0
1	2	2	2	1	0	1	0	1	95	0	0
1	3	2	3	1	0	1	0	0	106	0	0
1	4	2	3	0	0	0	0	0	23	0	0
1	5	3	2	0	0	0	0	0	93	0	0
1	6	3	2	2	0	0	0	1	60	1	0
1	7	3	2	0	0	1	0	0	39	0	0
1	8	3	2	0	0	1	0	0	93	0	0
1	9	3	2	0	0	0	0	0	0	0	0
1	10	3	2	2	0	0	0	0	328	0	0
2	1	2	3	3	0	0	0	0	13	0	0
2	2	2	3	8	0	0	0	0	125	0	1
2	3	3	2	4	0	0	0	0	28	0	0
2	4	3	3	3	0	0	0	0	26	0	0
6	1	2	3	6	0	0	0	0	1	0	0
6	2	2	3	4	0	0	0	0	0	0	0
6	3	2	3	0	0	0	0	0	3	0	0
6	4	2	3	2	0	0	0	0	0	0	0
6	5	2	3	0	0	0	0	0	1	0	0
6	6	2	3	0	0	0	0	0	4	0	0
6	7	3	3	0	0	0	0	0	2	0	0
6	8	3	3	0	0	0	0	0	1	0	0

[1]Copepods listed by species in Table 123

Table 122 cont'd

TRAN	FISH#	BARN	AMPH	EUPA	LARV	EGGS
9	1	0	0	1	0	0
9	2	0	0	0	0	0
9	3	0	0	0	2	0
10	1	0	1	1	0	0
10	2	0	0	0	0	0
11	1	0	0	1	0	0
11	2	0	0	3	1	0
11	3	0	0	0	0	0
4	1	872	0	0	0	0
4	2	538	0	0	0	0
4	3	54	0	0	0	4
4	4	952	0	0	0	8
4	5	824	0	0	0	0
4	6	2368	0	0	0	16
4	7	2432	16	0	0	16
3	1	0	0	0	0	0
3	2	0	0	0	0	0
5	1	1	2	1	0	0
5	2	0	1	0	0	0
5	3	0	1	0	0	0
5	4	0	1	0	0	0
5	5	0	2	0	0	0
5	6	0	0	37	0	0
1	1	0	16	0	208	16
1	2	1	1	3	19	9
1	3	0	0	0	0	0
1	4	0	0	0	15	2
1	5	0	6	2	0	0
1	6	0	2	16	0	0
1	7	2	0	16	0	0
1	8	0	2	2	2	0
1	9	0	0	24	0	0
1	10	1	0	27	0	0
2	1	0	0	0	0	10
2	2	0	0	0	0	1
2	3	2	0	0	0	632
2	4	0	0	0	0	1
6	1	0	0	0	5	0
6	2	2	0	0	0	0
6	3	2	0	0	0	0
6	4	0	0	0	0	0
6	5	1	1	0	3	0
6	6	1	0	0	0	0
6	7	0	0	0	0	0
6	8	1	0	0	0	0

Table 123. Copepods in 0+ herring stomachs in September 2002.

TRAN	FISH#	UCAL	CALA	CPAC	CCOL	MPAC	ADIV	TDIS	ALON	PPAR	PMIN
9	1	1	0	0	0	0	0	0	0	0	1
9	2	1	0	0	0	0	0	0	0	0	0
9	3	11	0	0	1	0	0	0	0	0	2
10	1	1	0	0	0	0	0	0	0	0	0
10	2	10	0	0	0	0	0	0	0	3	2
11	1	1	0	0	0	0	0	0	0	0	0
11	2	0	0	0	0	1	0	0	0	0	1
11	3	1	1	0	0	1	0	0	0	0	0
4	1	40	0	0	0	0	0	0	0	0	0
4	2	4	0	0	0	0	0	0	0	0	4
4	3	5	0	0	0	0	0	1	0	0	2
4	4	24	0	0	0	0	0	0	0	0	8
4	5	8	0	0	0	0	0	0	0	0	0
4	6	32	0	0	0	32	0	0	0	0	0
4	7	48	0	0	0	0	0	0	0	0	48
3	1	0	0	0	0	0	0	0	0	0	0
3	2	105	0	0	0	0	0	0	4	23	15
5	1	149	0	0	0	0	0	0	0	33	21
5	2	77	0	0	0	0	0	0	1	31	2
5	3	30	0	0	0	0	0	0	0	7	1
5	4	23	0	0	0	0	0	0	0	0	0
5	5	50	0	0	0	0	0	1	0	8	3
5	6	0	0	0	0	0	0	0	0	3	0
1	1	304	0	0	0	0	0	0	0	152	144
1	2	49	0	1	0	0	0	0	0	12	33
1	3	67	0	0	0	1	0	0	1	19	13
1	4	14	0	0	0	0	0	0	0	3	5
1	5	49	0	0	0	0	0	0	0	20	15
1	6	33	0	0	0	0	0	0	0	10	12
1	7	14	3	0	0	0	0	0	0	0	22
1	8	48	0	0	0	17	1	0	0	16	8
1	9	0	0	0	0	0	0	0	0	0	0
1	10	244	0	0	0	12	0	0	0	0	28
2	1	11	0	0	0	0	0	0	0	0	0
2	2	124	0	0	0	1	0	0	0	0	0
2	3	16	0	0	0	0	0	0	0	6	0
2	4	25	0	0	0	0	0	0	0	0	0
6	1	1	0	0	0	0	0	0	0	0	0
6	2	0	0	0	0	0	0	0	0	0	0
6	3	1	0	0	0	0	0	0	0	0	0
6	4	0	0	0	0	0	0	0	0	0	0
6	5	0	0	0	0	0	0	0	0	0	0
6	6	2	0	0	0	0	0	1	0	0	0
6	7	2	0	0	0	0	0	0	0	0	0
6	8	1	0	0	0	0	0	0	0	0	0

Table 123 cont'd

TRAN	FISH#	UCYC	OITH	CANG	UHAR	UPAR
9	1	0	0	0	0	0
9	2	0	0	0	0	0
9	3	0	0	3	0	0
10	1	0	0	0	0	0
10	2	0	0	0	0	0
11	1	0	0	0	0	0
11	2	0	0	1	0	0
11	3	0	0	2	0	0
4	1	0	0	16	0	0
4	2	0	0	12	4	0
4	3	0	0	17	0	0
4	4	0	0	8	0	0
4	5	0	0	0	0	0
4	6	0	0	64	0	0
4	7	16	0	64	0	0
3	1	0	0	0	0	0
3	2	0	4	1	0	0
5	1	0	0	0	0	0
5	2	0	1	1	0	0
5	3	0	0	0	0	0
5	4	0	0	0	0	0
5	5	0	0	1	0	0
5	6	0	0	0	0	0
1	1	0	8	0	0	0
1	2	0	0	0	0	0
1	3	0	0	5	0	0
1	4	0	0	1	0	0
1	5	0	0	9	0	0
1	6	0	0	5	0	0
1	7	0	0	0	0	0
1	8	0	0	3	0	0
1	9	0	0	0	0	0
1	10	0	0	40	0	4
2	1	0	0	2	0	0
2	2	0	0	0	0	0
2	3	0	0	6	0	0
2	4	0	0	1	0	0
6	1	0	0	0	0	0
6	2	0	0	0	0	0
6	3	0	2	0	0	0
6	4	0	0	0	0	0
6	5	0	0	1	0	0
6	6	0	0	1	0	0
6	7	0	0	0	0	0
6	8	0	0	0	0	0

Table 124. Organisms in 1+ herring stomachs in September 2002.

TRAN	FISH#	FULL	STATE	TURB	CLAD	COPE[1]	CRAZ	BARN	EUPA
9	1	2	2	4	0	2	0	0	5
9	2	2	2	0	0	0	0	0	9
9	3	2	2	0	0	3	0	0	10
9	4	3	2	0	0	0	0	0	10
9	5	3	2	0	0	0	0	0	46
10	1	3	2	3	0	1	0	0	16
10	2	3	2	0	0	2	0	0	51
10	3	3	2	0	0	3	0	0	68
10	4	3	2	2	0	7	0	0	57
10	5	3	2	0	0	1	0	0	28
11	1	2	2	0	0	9	0	0	3
11	2	2	2	0	0	0	0	0	4
11	3	3	2	1	0	0	0	0	36
11	4	3	2	0	0	0	0	0	26
4	1	2	3	0	0	29	0	32	0
4	2	2	3	0	1	5	4	31	0
3	1	2	3	1	0	1	0	0	0

[1]Copepods listed by species in Table 125

Table 125. Copepods in 1+ herring stomachs in September 2002.

TRAN	FISH#	UCAL	CALA	CPAC	MPAC	TDIS	ALON	PPAR	PMIN	CANG
9	1	0	1	1	0	0	0	0	0	0
9	2	0	0	0	0	0	0	0	0	0
9	3	2	0	0	0	0	0	0	1	0
9	4	0	0	0	0	0	0	0	0	0
9	5	0	0	0	0	0	0	0	0	0
10	1	0	0	0	0	0	0	0	1	0
10	2	2	0	0	0	0	0	0	0	0
10	3	3	0	0	0	0	0	0	0	0
10	4	4	0	0	0	0	0	1	2	0
10	5	1	0	0	0	0	0	0	0	0
11	1	0	2	0	7	0	0	0	0	0
11	2	0	0	0	0	0	0	0	0	0
11	3	0	0	0	0	0	0	0	0	0
11	4	0	0	0	0	0	0	0	0	0
4	1	2	0	0	0	2	0	0	1	24
4	2	2	0	0	0	2	1	0	0	0
3	1	1	0	0	0	0	0	0	0	0